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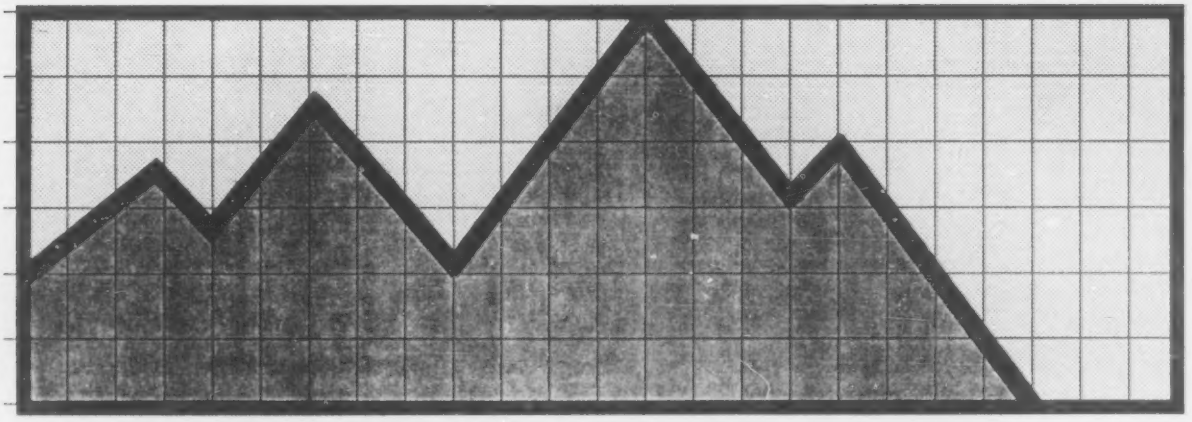
COLORADO VITAL STATISTICS 1988



COLORADO DEPARTMENT OF HEALTH
HEALTH STATISTICS AND VITAL RECORDS DIVISION
HEALTH STATISTICS SECTION
SEPTEMBER 1989

STATE OF COLORADO

COLORADO DEPARTMENT OF HEALTH

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Colorado Vital Statistics often is the first resource used in assessing the health status and concerns of Coloradans. With information ranging from the number of live births in the state to detailed preparations of cause-of-death statistics, this report offers the most varied compilation of health indicators available.

Colorado Vital Statistics, 1988 was made possible by the work of physicians, hospital personnel, coroners, funeral directors and local registrars throughout the state, as well as the staff of the Health Statistics and Vital Records Division here at the Colorado Department of Health. Their efforts contribute greatly to our understanding of health in Colorado.

Thomas M. Vernon, M.D.
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Part One. Data Highlights for 1988

Population		3,301,467	Colorado continued to experience slow growth with an estimated population increase of only 8,293 between midyears 1987 and 1988. The present period of slow growth and large outmigration probably is the most extended in the state since the Great Depression.
Live Births	Number	53,346	Birth statistics showed continued decreases in the number of live births and birth and fertility rates in 1988. With an aging population and a trend toward delayed childbearing, these decreases may be expected to continue.
	Birth Rate	16.2	
	General Fertility Rate	65.2	
Deaths	Number	21,312	The state's crude death rate has ranged between 6.2 and 6.5 since 1979. Death rates for most leading causes, including heart disease, malignant neoplasms and cerebrovascular diseases, were lower in the state than in the nation even when Colorado's younger population is taken into account. Colorado's age-adjusted death rates for chronic obstructive pulmonary diseases and suicide were higher than national rates.
	Rate	6.5	
Marriages	Number	31,438	The marriage rate was the lowest in 25 years and marked the second year in a row that the U.S. marriage rate exceeded that for Colorado.
	Rate	9.5	
Marriage Dissolutions	Number	18,651	The number of marriage dissolutions increased slightly in 1988 as the rate remained unchanged. Marriage dissolution rates continued to be lower than at any time since the early 1970s.
	Rate	5.6	
Low Weight Births	Number	4,184	Low weight births (<2,500 grams) have comprised 7.6 to 7.9 percent of total live births in Colorado since 1982, continuing a longterm trend of higher percentages of low weight births in the state than in the nation as a whole.
	Percent	7.8	
Births to Unmarried Women	Number	10,425	The proportion of births to unmarried women has increased steadily since the 1940s and was at the highest point ever in Colorado in 1988, but continued to be lower than in the United States as a whole.
	Percent	19.5	
Infant Deaths	Number	506	The infant mortality rate decreased in 1988 from a rate of 9.8 in 1987. Rates generally have fluctuated since early in the decade, marking the end of the long historical decline in infant mortality rates. The national rate was 9.9 in 1988.
	Rate	9.5	
Induced Terminations of Pregnancy	Number	12,425	After decreasing in each year since 1984, numbers of reported terminations increased slightly in 1988.

Marriage and marriage dissolution data are for events occurring in the state. All other data are for resident events. See pertinent chapters for explanations of rates.

Highlights

Continued decreases in birth and marriage rates, an increase in life expectancy to 76.9 years, increases in deaths from chronic obstructive pulmonary diseases and HIV infection (AIDS), and unchanged proportions of low weight births, births with little or no prenatal care, and childbearing among young teens are among the highlights of Colorado vital statistics in 1988.

Many noteworthy trends reflect Colorado's aging population, still somewhat younger than in the nation as a whole but now perhaps the oldest ever for the state. The Demographic Section of the Colorado Department of Local Affairs has estimated that the median age in the state rose to 31.5 years in 1988, compared to 26.2 years in 1970 and 28.6 years in 1980. The aging of the population is largely responsible for decreases in births and marriages, as well as indications that the state's death rate is beginning to increase.

Other trends more closely reflect changes in the behavior patterns in our society. Examples are continued increases in proportions of births to unmarried women and in childbearing rates among women in their thirties and forties. The state's lower death rates for such leading causes as heart disease and malignant neoplasms also may partly result from healthy lifestyle choices made by Coloradans.

More problematic are those areas where Colorado compares unfavorably with the nation. The incidence of low birth weight remains high, and death rates for chronic obstructive pulmonary diseases and suicide continue to exceed national rates.

Additionally, the percentage of pregnant women intiating prenatal care late in the pregnancy remains unchanged, as do childbearing rates among the youngest teens. Black Coloradans continue to experience comparatively high infant mortality rates. Other disparities in the health and well-being of Coloradans continue, belying the favorable impression given by many general health indicators.

Colorado Vital Statistics, 1988 is intended to help provide a basis for assessing health status in Colorado. Data users are welcome to contact the Health Statistics Section to obtain additional information on vital events in the state.

This section of the report presents a general view of vital statistics in Colorado in 1988. The table on the preceding page shows selected data highlights. Table 1 summarizes vital statistics by place of residence and place where the event occurred. Table 2 shows vital events by race and Spanish origin for Colorado residents, and Table 3 shows number of events by month of occurrence.

Vital Statistics by County and Region

Tables 4 through 6 are summaries of vital statistics by county and region for 1988. Each table presents information on total live births, low weight births, births to unmarried women, total deaths, and infant, neonatal, postneonatal, and perinatal deaths. Counties are arranged into four different substate groupings, with data also compiled for the Denver metropolitan area. Explanations of these regions appear inside the back cover of the report.

Table 4.	Vital Statistics Summary by County and Region: Colorado Residents, 1988
Table 5.	Vital Statistics Summary by County and Region: Colorado Residents, Five-Year Average Annual, 1984-88
Table 6.	Vital Statistics Summary by County and Region: Colorado Occurrence, 1988

Table 1. Colorado Vital Statistics, 1988

Vital Event	Vital Statistics of Colorado Residents by Place of Occurrence			Vital Statistics of Colorado Occurrences by Place of Residence		
	Total	Colorado	Out of State	Total	Colorado	Non-Resident
Live Births	53,346	52,996	350	53,518	52,996	522
Low Weight Births	4,184	4,160	24	4,292	4,160	132
Births to Unmarried Women	10,425	10,323	102	10,413	10,323	90
Deaths	21,312	20,779	533	21,735	20,779	956
Infant Deaths	506	501	5	547	501	46
Neonatal Deaths	296	294	2	327	294	33
Postneonatal Deaths	210	207	3	220	207	13
Spontaneous Fetal Deaths						
All Gestations	-	2,296	-	2,363	2,296	67
<20 Weeks Gestation	-	1,941	-	1,991	1,941	50
20+ Weeks Gestation	-	355	-	372	355	17
Perinatal Deaths	-	649	-	699	649	50
Reported Induced Terminations of Pregnancy	-	11,505	-	12,425	11,505	920
Marriages	-	-	-	31,438	-	-
Marriage Dissolutions						
Total	-	-	-	18,651	-	-
Divorces	-	-	-	18,544	-	-
Annulments	-	-	-	107	-	-
Legal Separations	-	-	-	269	-	-
Population	Total: 3,301,467		Male: 1,641,402		Female: 1,660,026	

See technical notes for definitions of data items. Male and female population does not add to total because of rounding.

Table 2. Vital Events by Race and Spanish Origin: Colorado Residents, 1988

Event	White				Non-White					
	Total	Total	Anglo White	Spanish Surname	Total	Black	Native American	Other	Unknown	Spanish Origin
Live Births	53,346	48,213	40,183	8,030	5,048	3,160	528	1,360	85	7,962
Male	27,154	24,555	20,512	4,043	2,556	1,588	271	697	43	4,061
Female	26,192	23,658	19,671	3,987	2,492	1,572	257	663	42	3,901
Low Weight Births	4,184	3,606	2,885	721	575	408	36	131	3	717
Births to Unmarried Women	10,425	8,663	5,549	3,114	1,739	1,435	215	89	23	3,091
Deaths	21,312	20,412	18,850	1,562	896	710	57	129	4	1,368
Male	11,057	10,582	9,633	949	473	382	32	59	2	814
Female	10,255	9,830	9,217	613	423	328	25	70	2	554
Infant Deaths	506	463	380	83	43	37	2	4	0	70
Male	302	281	235	46	21	19	1	1	0	42
Female	204	182	145	37	22	18	1	3	0	28
Neonatal Deaths	296	268	221	47	28	26	2	0	0	41
Postneonatal Deaths	210	195	159	36	15	11	0	4	0	29
Spontaneous Fetal Deaths 20+ Weeks	355	298	236	62	54	40	6	8	3	56
Perinatal Deaths	651	566	457	109	82	66	8	8	3	97

Birth data are by race of child. Spontaneous fetal death data are by race of fetus.
See definitions of Spanish surname and origin categories in the technical notes for this report.

Table 3. Summary of Vital Statistics by Month of Occurrence: Colorado Residents and Occurrences, 1988

Event		Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Live Births														
Residence	Number	53,346	4,224	4,152	4,694	4,516	4,688	4,520	4,616	4,759	4,525	4,286	4,123	4,243
	Percent	100.0	7.9	7.8	8.8	8.5	8.8	8.5	8.7	8.9	8.5	8.0	7.7	8.0
Occurrence	Number	53,518	4,234	4,169	4,700	4,539	4,714	4,531	4,632	4,772	4,540	4,295	4,132	4,260
	Percent	100.0	7.9	7.8	8.8	8.5	8.8	8.5	8.7	8.9	8.5	8.0	7.7	8.0
Births to Unmarried Women														
Residence	Number	10,425	826	836	899	860	876	862	894	940	865	841	834	892
	Percent	100.0	7.9	8.0	8.6	8.2	8.4	8.3	8.6	9.0	8.3	8.1	8.0	8.6
Occurrence	Number	10,413	823	833	895	866	876	852	894	942	868	836	835	893
	Percent	100.0	7.9	8.0	8.6	8.3	8.4	8.2	8.6	9.0	8.3	8.0	8.0	8.6
Spontaneous Fetal Deaths - 20+ Weeks Gestation														
Residence	Number	355	38	30	25	25	32	24	34	30	22	30	29	36
	Percent	100.0	10.7	8.5	7.0	7.0	9.0	6.8	9.6	8.5	6.2	8.5	8.2	10.1
Occurrence	Number	372	41	31	26	26	32	24	37	31	25	33	29	37
	Percent	100.0	11.0	8.3	7.0	7.0	8.6	6.5	9.9	8.3	6.7	8.9	7.8	9.9
Deaths														
Residence	Number	21,312	2,174	1,835	1,905	1,717	1,769	1,651	1,707	1,594	1,673	1,748	1,678	1,861
	Percent	100.0	10.2	8.6	8.9	8.1	8.3	7.7	8.0	7.5	7.9	8.2	7.9	8.7
Occurrence	Number	21,735	2,201	1,847	1,932	1,742	1,804	1,676	1755	1,647	1,732	1,794	1,708	1,897
	Percent	100.0	10.1	8.5	8.9	8.0	8.3	7.7	8.1	7.6	8.0	8.3	7.9	8.7
Infant Deaths														
Residence	Number	506	42	51	42	42	42	32	43	41	49	45	36	41
	Percent	100.0	8.3	10.1	8.3	8.3	8.3	6.3	8.5	8.1	9.7	8.9	7.1	8.1
Occurrence	Number	547	44	52	45	42	43	36	47	46	53	50	39	50
	Percent	100.0	8.0	9.5	8.2	7.7	7.9	6.6	8.6	8.4	9.7	9.1	7.1	9.1
Marriages														
Occurrence	Number	31,438	1,510	1,924	1,888	2,207	2,791	3,772	3,603	3,675	3,204	2,400	1,910	2,554
	Percent	100.0	4.8	6.1	6.0	7.0	8.9	12.0	11.5	11.7	10.2	7.6	6.1	8.1
Marriage Dissolutions														
Occurrence	Number	18,651	1,381	1,624	1,582	1,528	1,630	1,606	1,309	1,668	1,512	1,507	1,660	1,644
	Percent	100.0	7.4	8.7	8.5	8.2	8.7	8.6	7.0	8.9	8.1	8.1	8.9	8.8

See technical notes for definitions of data items.

Table 4. Vital Statistics Summary by County and Region: Colorado Residents, 1988

County/Region	Live Births		Low Weight Births		Births to Unmarried Women		Total Deaths		Infant Deaths		Neonatal Deaths		Postneonatal Deaths		Perinatal Deaths	
	Number	Rate	Number	Percent	Number	Percent	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Colorado	53,346	16.2	4,184	7.8	10,425	19.5	21,312	6.5	506	9.5	296	5.5	210	3.9	651	12.1
Adams	5,024	18.6	444	8.8	1,285	25.6	1,486	5.5	49	9.8	26	5.2	23	4.6	65	12.8
Alamosa	264	20.5	16	6.1	45	17.0	99	7.7	2	7.6	1	3.8	1	3.8	3	11.3
Arapahoe	6,269	16.3	487	7.8	867	13.8	1,723	4.5	59	9.4	38	6.1	21	3.3	75	11.9
Archuleta	91	18.2	3	3.3	18	19.8	42	8.4	0	0.0	0	0.0	0	0.0	0	0.0
Baca	76	16.5	6	7.9	4	5.3	64	13.9	0	0.0	0	0.0	0	0.0	1	13.0
Bent	76	13.9	5	6.6	18	23.7	71	13.0	1	13.2	1	13.2	0	0.0	1	13.2
Boulder	3,231	14.6	199	6.2	373	11.5	1,071	4.9	27	8.4	13	4.0	14	4.3	37	11.4
Chaffee	148	12.3	9	6.1	18	12.2	120	10.0	1	6.8	1	6.8	0	0.0	2	13.4
Cheyenne	48	19.6	2	4.2	4	8.3	26	10.6	1	20.8	1	20.8	0	0.0	1	20.8
Clear Creek	112	15.2	11	9.8	10	8.9	33	4.5	1	8.9	0	0.0	1	8.9	0	0.0
Conejos	133	16.3	11	8.3	23	17.3	49	6.0	0	0.0	0	0.0	0	0.0	1	7.5
Costilla	43	12.6	4	9.3	8	18.6	23	6.7	0	0.0	0	0.0	0	0.0	2	44.4
Crowley	41	9.4	4	9.8	7	17.1	31	7.1	1	24.4	1	24.4	0	0.0	1	24.4
Custer	17	8.3	1	5.9	1	5.9	12	5.9	0	0.0	0	0.0	0	0.0	0	0.0
Delta	236	10.6	17	7.2	45	19.1	248	11.1	5	21.2	4	16.9	1	4.2	7	29.3
Denver	8,375	16.7	834	10.0	2,964	35.4	4,458	8.9	90	10.7	56	6.7	34	4.1	114	13.5
Dolores	24	15.0	4	16.7	6	25.0	11	6.9	2	83.3	1	41.7	1	41.7	1	41.7
Douglas	991	21.3	55	5.5	40	4.0	171	3.7	2	2.0	0	0.0	2	2.0	3	3.0
Eagle	370	18.4	25	6.8	39	10.5	53	2.6	2	5.4	2	5.4	0	0.0	5	13.4
Elbert	125	12.9	7	5.6	6	4.8	43	4.4	2	16.0	1	8.0	1	8.0	1	8.0
El Paso	7,657	19.3	619	8.1	1,200	15.7	2,068	5.2	74	9.7	43	5.6	31	4.0	91	11.8
Fremont	350	11.6	28	8.0	92	26.3	415	13.7	1	2.9	0	0.0	1	2.9	5	14.1
Garfield	418	15.9	29	6.9	41	9.8	178	6.8	7	16.7	5	12.0	2	4.8	7	16.7
Gilpin	41	15.5	8	19.5	4	9.8	13	4.9	0	0.0	0	0.0	0	0.0	0	0.0
Grand	104	11.4	8	7.7	9	8.7	29	3.2	3	28.8	3	28.8	0	0.0	4	38.1
Gunnison	129	10.6	12	9.3	9	7.0	52	4.3	0	0.0	0	0.0	0	0.0	2	15.3
Hinsdale	3	8.5	0	0.0	0	0.0	4	11.3	0	0.0	0	0.0	0	0.0	0	0.0
Huerfano	78	11.3	3	3.8	22	28.2	68	9.8	0	0.0	0	0.0	0	0.0	0	0.0
Jackson	17	11.0	3	17.6	3	17.6	16	10.4	0	0.0	0	0.0	0	0.0	1	55.6
Jefferson	6,587	15.6	460	7.0	872	13.2	2,419	5.7	61	9.3	33	5.0	28	4.3	62	9.4
Kiowa	22	12.7	0	0.0	2	9.1	10	5.8	0	0.0	0	0.0	0	0.0	0	0.0
Kit Carson	119	15.6	7	5.9	13	10.9	70	9.2	1	8.4	0	0.0	1	8.4	0	0.0
Lake	82	13.7	8	9.8	24	29.3	33	5.5	1	12.2	0	0.0	1	12.2	0	0.0
La Plata	456	15.0	35	7.7	84	18.4	196	6.5	3	6.6	2	4.4	1	2.2	6	13.0
Larimer	2,773	15.4	170	6.1	411	14.8	992	5.5	19	6.9	12	4.3	7	2.5	36	12.9
Las Animas	183	12.8	15	8.2	54	29.5	162	11.3	1	5.5	1	5.5	0	0.0	2	10.9
Lincoln	81	17.5	5	6.2	7	8.6	62	13.4	1	12.3	0	0.0	1	12.3	4	47.1
Logan	232	12.2	13	5.6	28	12.1	181	9.5	4	17.2	2	8.6	2	8.6	5	21.3
Mesa	1,209	13.7	91	7.5	248	20.5	848	9.6	16	13.2	8	6.6	8	6.6	16	13.1
Mineral	7	11.5	0	0.0	0	0.0	6	9.9	0	0.0	0	0.0	0	0.0	1	125.0
Moffat	152	14.0	10	6.6	28	18.4	81	7.5	0	0.0	0	0.0	0	0.0	4	25.6
Montezuma	321	19.7	12	3.7	100	31.2	149	9.1	6	18.7	6	18.7	0	0.0	9	27.8
Montrose	299	11.5	26	8.7	48	16.1	222	8.5	1	3.3	0	0.0	1	3.3	4	13.2
Morgan	371	16.5	30	8.1	65	17.5	233	10.4	6	16.2	5	13.5	1	2.7	7	18.8
Otero	322	15.0	12	3.7	97	30.1	237	11.0	1	3.1	0	0.0	1	3.1	1	3.1
Ouray	26	13.4	2	7.7	6	23.1	18	9.3	0	0.0	0	0.0	0	0.0	0	0.0
Park	101	16.8	10	9.9	9	8.9	35	5.8	0	0.0	0	0.0	0	0.0	0	0.0
Phillips	54	12.1	2	3.7	6	11.1	37	8.3	0	0.0	0	0.0	0	0.0	1	18.2
Pitkin	153	11.3	12	7.8	11	7.2	25	1.8	0	0.0	0	0.0	0	0.0	0	0.0
Prowers	243	17.5	20	8.2	48	19.8	121	8.7	6	24.7	4	16.5	2	8.2	6	24.5
Pueblo	1,752	13.2	135	7.7	613	35.0	1,192	9.0	19	10.8	8	4.6	11	6.3	17	9.7
Rio Blanco	92	16.9	5	5.4	8	8.7	38	7.0	0	0.0	0	0.0	0	0.0	0	0.0
Rio Grande	181	15.9	18	9.9	35	19.3	107	9.4	3	16.6	3	16.6	0	0.0	3	16.6
Routt	199	13.7	12	6.0	18	9.0	47	3.2	2	10.1	1	5.0	1	5.0	1	5.0
Saguache	65	16.6	1	1.5	7	10.8	27	6.9	0	0.0	0	0.0	0	0.0	1	15.2
San Juan	10	13.4	2	20.0	3	30.0	2	2.7	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	63	15.3	8	12.7	6	9.5	14	3.4	0	0.0	0	0.0	0	0.0	0	0.0

County/Region	Live Births		Low Weight Births		Births to Unmarried Women		Total Deaths		Infant Deaths		Neonatal Deaths		Postneonatal Deaths		Perinatal Deaths	
	Number	Rate	Number	Percent	Number	Percent	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Sedgwick	35	11.9	0	0.0	5	14.3	30	10.2	0	0.0	0	0.0	0	0.0	0	0.0
Summit	203	14.8	23	11.3	16	7.9	22	1.6	1	4.9	0	0.0	1	4.9	0	0.0
Teller	179	15.8	15	8.4	17	9.5	52	4.6	1	5.6	1	5.6	0	0.0	4	22.0
Washington	52	10.3	9	17.3	4	7.7	46	9.1	0	0.0	0	0.0	0	0.0	1	18.9
Weld	2,120	14.9	157	7.4	360	17.0	806	5.7	22	10.4	13	6.1	9	4.2	28	13.1
Yuma	111	11.4	5	4.5	11	9.9	115	11.9	1	9.0	0	0.0	1	9.0	2	17.7
Planning and Management Regions																
PMR 1	855	13.4	59	6.9	119	13.9	642	10.1	11	12.9	7	8.2	4	4.7	16	18.5
2	4,893	15.2	327	6.7	771	15.8	1,798	5.6	41	8.4	25	5.1	16	3.3	64	13.0
3	30,630	16.5	2,498	8.2	6,415	20.9	11,374	6.1	289	9.4	166	5.4	123	4.0	356	11.6
4	7,937	19.2	644	8.1	1,226	15.4	2,155	5.2	75	9.4	44	5.5	31	3.9	95	11.9
5	373	15.3	21	5.6	30	8.0	201	8.2	5	13.4	2	5.4	3	8.0	6	15.9
6	780	15.1	47	6.0	176	22.6	534	10.4	9	11.5	6	7.7	3	3.8	10	12.8
7	1,752	13.2	135	7.7	613	35.0	1,192	9.0	19	10.8	8	4.6	11	6.3	17	9.7
8	693	17.2	50	7.2	118	17.0	311	7.7	5	7.2	4	5.8	1	1.4	11	15.7
9	902	16.7	56	6.2	211	23.4	400	7.4	11	12.2	9	10.0	2	2.2	16	17.6
10	756	11.3	65	8.6	114	15.1	558	8.4	6	7.9	4	5.3	2	2.6	13	17.0
11	1,871	14.3	135	7.2	325	17.4	1,145	8.8	23	12.3	13	6.9	10	5.3	27	14.3
12	1,046	14.4	83	7.9	96	9.2	192	2.6	8	7.6	6	5.7	2	1.9	11	10.5
13	597	11.9	46	7.7	135	22.6	580	11.5	3	5.0	1	1.7	2	3.4	7	11.6
14	261	12.3	18	6.9	76	29.1	230	10.8	1	3.8	1	3.8	0	0.0	2	7.6
Metro/Non-Metro																
Denver PMSA	27,246	16.8	2,280	8.4	6,028	22.1	10,257	6.3	261	9.6	153	5.6	108	4.0	319	11.6
Denver CMSA	30,477	16.5	2,479	8.1	6,401	21.0	11,328	6.1	288	9.4	166	5.4	122	4.0	356	11.6
Total Metro	44,779	16.6	3,560	8.0	8,985	20.1	16,386	6.1	422	9.4	242	5.4	180	4.0	528	11.7
Non-Metro	8,567	14.2	624	7.3	1,440	16.8	4,926	8.2	84	9.8	54	6.3	30	3.5	123	14.2
Five-Region Substate Groups																
Front Range	44,779	16.6	3,560	8.0	8,985	20.1	16,386	6.1	422	9.4	242	5.4	180	4.0	528	11.7
Western Slope	4,575	14.1	339	7.4	746	16.3	2,295	7.1	48	10.5	32	7.0	16	3.5	67	14.5
Eastern Plains	2,008	14.4	127	6.3	325	16.2	1,377	9.9	25	12.5	15	7.5	10	5.0	32	15.8
San Luis Valley	693	17.2	50	7.2	118	17.0	311	7.7	5	7.2	4	5.8	1	1.4	11	15.7
Eastern Mtns	1,291	13.1	108	8.4	251	19.4	943	9.5	6	4.6	3	2.3	3	2.3	13	10.0
Population-Based Regions																
1 Denver	8,375	16.7	834	10.0	2,964	35.4	4,458	8.9	90	10.7	56	6.7	34	4.1	114	13.5
2 Jefferson	6,587	15.6	460	7.0	872	13.2	2,419	5.7	61	9.3	33	5.0	28	4.3	62	9.4
3 Boulder	3,231	14.6	199	6.2	373	11.5	1,071	4.9	27	8.4	13	4.0	14	4.3	37	11.4
4 Adams	5,024	18.6	444	8.8	1,285	25.6	1,486	5.5	49	9.8	26	5.2	23	4.6	65	12.8
5 Arapahoe	6,269	16.3	487	7.8	867	13.8	1,723	4.5	59	9.4	38	6.1	21	3.3	75	11.9
6 El Paso	7,657	19.3	619	8.1	1,200	15.7	2,068	5.2	74	9.7	43	5.6	31	4.0	91	11.8
7 Larimer	2,773	15.4	170	6.1	411	14.8	992	5.5	19	6.9	12	4.3	7	2.5	36	12.9
8 Pueblo	1,752	13.2	135	7.7	613	35.0	1,192	9.0	19	10.8	8	4.6	11	6.3	17	9.7
9 Weld	2,120	14.9	157	7.4	360	17.0	806	5.7	22	10.4	13	6.1	9	4.2	28	13.1
10 Northwest Reg	1,871	14.3	135	7.2	325	17.4	1,145	8.8	23	12.3	13	6.9	10	5.3	27	14.3
11 Western Reg	1,802	12.9	148	8.2	210	11.7	750	5.4	14	7.8	10	5.5	4	2.2	24	13.2
12 Eastern Reg	2,008	14.4	127	6.3	325	16.2	1,377	9.9	25	12.5	15	7.5	10	5.0	32	15.8
13 Central Reg	2,021	16.3	145	7.2	215	10.6	884	7.1	7	3.5	2	1.0	5	2.5	14	6.9
14 Southern Reg	1,856	16.1	124	6.7	405	21.8	941	8.1	17	9.2	14	7.5	3	1.6	29	15.5

Birth and death rates are events per 1,000 population. Infant, neonatal and postneonatal mortality rates are events per 1,000 live births. Perinatal mortality rate is perinatal deaths per 1,000 live births and spontaneous fetal deaths of 20+ weeks gestation. See technical notes for definitions of data items. See inside back cover for descriptions of regions.

Table 5. Vital Statistics Summary by County and Region: Colorado Residents, Five-Year Annual Average, 1984-88

Place	Live Births		Low Weight Births		Births to Unmarried Women		Total Deaths		Infant Deaths		Neonatal Deaths		Postneonatal Deaths		Perinatal Deaths	
	Number	Rate	Number	Percent	Number	Percent	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Colorado	54,349	16.6	4,220	7.8	9,592	17.6	20,752	6.4	516	9.5	306	5.6	210	3.9	695	12.7
Adams	5,098	19.0	434	8.5	1,147	22.5	1,431	5.3	54	10.6	32	6.3	22	4.3	70	13.7
Alamosa	258	20.4	17	6.7	40	15.3	89	7.1	2	6.2	1	3.9	1	2.3	4	14.6
Arapahoe	6,301	16.4	461	7.3	725	11.5	1,642	4.3	59	9.4	33	5.2	26	4.2	70	11.1
Archuleta	97	18.2	8	8.1	16	16.7	31	5.8	0	4.1	0	4.1	0	0.0	2	16.5
Baca	71	15.7	5	6.8	6	9.1	56	12.5	0	2.8	0	2.8	0	0.0	1	16.8
Bent	71	12.3	5	7.1	14	20.4	63	11.0	1	8.5	0	2.8	0	5.7	1	11.3
Boulder	3,262	15.3	191	5.9	359	11.0	1,050	4.9	25	7.8	14	4.3	11	3.5	36	11.0
Chaffee	154	12.5	12	7.5	20	13.2	119	9.6	1	6.5	1	3.9	0	2.6	2	14.2
Cheyenne	46	19.7	2	3.5	2	4.3	24	10.2	0	8.7	0	8.7	0	0.0	1	17.3
Clear Creek	130	16.5	11	8.8	12	8.9	34	4.3	1	4.6	0	1.5	0	3.1	1	6.2
Conejos	140	17.1	12	8.3	23	16.1	63	7.7	0	2.9	0	2.9	0	0.0	2	11.3
Costilla	46	13.9	4	9.1	10	20.9	26	7.8	0	4.3	0	0.0	0	4.3	0	8.3
Crowley	46	14.1	4	8.3	10	21.3	36	11.2	1	13.0	0	4.3	0	8.7	1	17.4
Custer	24	11.4	2	8.3	3	12.4	15	6.9	0	0.0	0	0.0	0	0.0	0	0.0
Delta	289	12.6	19	6.6	48	16.6	252	11.0	4	13.1	2	8.3	1	4.8	5	17.1
Denver	8,857	17.2	820	9.3	2,906	32.8	4,550	8.8	98	11.0	60	6.7	38	4.3	132	14.8
Dolores	25	16.5	2	9.6	4	16.0	11	7.4	1	24.0	0	8.0	0	16.0	0	8.0
Douglas	777	18.8	47	6.1	37	4.8	136	3.3	6	7.5	3	3.9	3	3.6	6	8.2
Eagle	370	19.4	32	8.6	37	9.9	50	2.6	2	5.4	1	3.8	1	1.6	3	8.0
Elbert	125	14.4	9	6.9	7	5.6	45	5.2	1	8.0	1	4.8	0	3.2	1	6.4
El Paso	7,359	19.4	606	8.2	1,055	14.3	1,977	5.2	73	9.9	41	5.6	32	4.3	92	12.4
Fremont	373	12.5	30	8.2	77	20.8	382	12.8	3	8.6	2	4.3	2	4.3	5	13.8
Garfield	447	17.5	31	6.9	46	10.3	175	6.9	5	10.3	4	8.1	1	2.2	7	16.0
Gilpin	48	17.3	6	12.4	4	9.1	13	4.5	0	0.0	0	0.0	0	0.0	0	0.0
Grand	133	13.8	11	8.1	13	9.8	35	3.7	2	12.0	1	4.5	1	7.5	2	12.0
Gunnison	132	11.2	13	9.7	10	7.6	49	4.1	1	6.0	0	3.0	0	3.0	2	14.9
Hinsdale	7	19.5	1	11.4	0	2.9	2	5.6	0	0.0	0	0.0	0	0.0	0	28.6
Huerfano	79	10.9	6	7.3	20	25.5	74	10.3	1	12.6	1	7.6	0	5.1	1	10.1
Jackson	21	13.6	3	13.2	2	8.5	11	6.9	0	0.0	0	0.0	0	0.0	0	9.0
Jefferson	6,622	15.8	466	7.0	762	11.5	2,194	5.2	53	8.0	31	4.6	22	3.4	68	10.2
Kiowa	27	14.8	1	5.2	2	6.0	13	7.4	0	14.9	0	14.9	0	0.0	1	22.4
Kit Carson	119	15.6	7	5.7	11	9.6	73	9.6	1	8.4	1	6.7	0	1.7	1	11.8
Lake	99	14.9	13	13.2	17	17.0	33	5.0	1	14.2	1	10.1	0	4.1	1	14.2
La Plata	500	16.6	38	7.6	78	15.6	191	6.3	6	11.6	4	7.2	2	4.4	9	17.1
Larimer	2,743	15.7	178	6.5	336	12.2	1,003	5.7	23	8.5	14	5.2	9	3.2	32	11.7
Las Animas	193	13.6	15	7.6	53	27.3	182	12.9	1	4.2	1	4.2	0	0.0	2	10.3
Lincoln	80	17.8	4	4.8	6	7.0	53	12.0	0	5.0	0	2.5	0	2.5	2	19.1
Logan	273	14.4	15	5.5	31	11.3	169	8.9	2	8.8	1	5.1	1	3.7	4	15.9
Mesa	1,341	15.6	100	7.4	203	15.2	745	8.6	13	9.7	8	5.8	5	3.9	16	12.2
Mineral	12	17.5	0	1.6	0	1.6	4	6.0	0	0.0	0	0.0	0	0.0	0	15.2
Moffat	204	17.1	15	7.3	23	11.4	67	5.6	1	6.9	1	2.9	1	3.9	2	11.5
Montezuma	332	19.1	21	6.4	77	23.2	134	7.7	5	13.8	4	11.4	1	2.4	6	18.5
Montrose	323	12.8	27	8.3	43	13.3	223	8.8	3	8.7	2	6.8	1	1.9	5	15.9
Morgan	385	17.5	27	7.0	56	14.5	225	10.2	6	15.1	4	10.4	2	4.7	8	21.2
Otero	348	15.9	25	7.2	97	27.7	236	10.8	3	7.5	1	4.0	1	3.4	3	8.0
Ouray	25	13.7	2	8.8	2	8.0	16	8.9	0	8.0	0	8.0	0	0.0	1	24.0
Park	108	17.4	11	10.6	10	9.5	31	5.0	0	3.7	0	1.9	0	1.9	3	24.2
Phillips	57	12.6	1	2.4	3	4.5	50	11.1	0	0.0	0	0.0	0	0.0	1	10.3
Pitkin	159	12.2	15	9.3	13	7.9	28	2.2	1	7.5	1	5.0	0	2.5	2	13.8
Prowers	278	20.1	21	7.6	54	19.6	127	9.2	3	10.1	2	5.8	1	4.3	4	14.3
Pueblo	1,812	14.1	141	7.8	541	29.9	1,154	9.0	19	10.6	10	5.7	9	4.9	23	12.7
Rio Blanco	108	18.8	6	5.9	8	7.8	35	6.1	0	3.7	0	0.0	0	3.7	1	5.6
Rio Grande	204	17.4	23	11.3	41	19.9	108	9.2	2	8.8	2	7.8	0	1.0	4	17.6
Routt	207	14.4	16	7.6	15	7.4	57	4.0	1	6.8	0	1.9	1	4.8	3	12.5
Saguache	77	19.3	6	7.8	16	20.7	32	8.0	0	2.6	0	0.0	0	2.6	1	7.7
San Juan	18	24.0	3	15.7	3	19.1	4	5.9	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	56	14.9	5	9.0	5	9.3	11	3.0	1	10.8	0	7.2	0	3.6	1	14.3

Place	Live Births		Low Weight Births		Births to Unmarried Women		Total Deaths		Infant Deaths		Neonatal Deaths		Postneonatal Deaths		Perinatal Deaths	
	Number	Rate	Number	Percent	Number	Percent	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Sedgwick	35	11.9	1	2.9	5	14.9	35	11.9	0	11.4	0	5.7	0	5.7	0	11.4
Summit	217	15.2	21	9.8	16	7.4	20	1.4	3	13.8	2	7.4	1	6.5	2	11.1
Teller	192	17.5	18	9.2	16	8.5	58	5.3	1	5.2	1	3.1	0	2.1	2	12.3
Washington	73	14.3	5	6.6	6	8.5	54	10.7	1	8.2	0	5.5	0	2.7	1	16.3
Weld	2,201	16.0	164	7.5	380	17.3	840	6.1	24	10.9	16	7.3	8	3.6	36	16.4
Yuma	138	14.2	7	5.1	9	6.7	105	10.9	1	7.3	1	4.4	0	2.9	2	12.9
Planning and Management Regions																
PMR 1	960	15.2	56	5.8	110	11.4	638	10.1	10	10.6	7	6.9	4	3.7	17	17.1
2	4,944	15.9	342	6.9	716	14.5	1,843	5.9	47	9.5	30	6.1	17	3.4	69	13.8
3	31,096	16.8	2,437	7.8	5,952	19.1	11,050	6.0	296	9.5	172	5.5	123	4.0	384	12.3
4	7,658	19.3	635	8.3	1,081	14.1	2,066	5.2	74	9.7	42	5.5	32	4.2	97	12.6
5	370	16.0	21	5.6	26	7.0	196	8.5	3	7.6	2	5.4	1	2.2	5	12.3
6	840	16.4	61	7.3	183	21.8	532	10.4	7	8.6	4	4.8	3	3.8	10	12.1
7	1,812	14.1	141	7.8	541	29.9	1,154	9.0	19	10.6	10	5.7	9	4.9	23	12.7
8	738	18.2	62	8.4	129	17.4	323	7.9	4	5.7	3	4.1	1	1.6	10	13.7
9	972	17.6	72	7.4	179	18.4	372	6.8	11	11.7	8	8.2	3	3.5	17	17.0
10	832	12.6	67	8.0	108	13.0	553	8.4	8	9.9	6	6.7	3	3.1	14	16.4
11	2,099	16.2	152	7.2	281	13.4	1,021	7.9	19	9.2	12	5.7	7	3.5	27	12.6
12	1,107	15.4	97	8.8	96	8.6	201	2.8	9	8.3	5	4.3	4	4.0	12	10.8
13	650	12.8	57	8.8	118	18.1	549	10.8	6	8.6	3	4.9	2	3.7	9	13.4
14	272	12.7	20	7.5	73	26.8	256	12.0	2	6.6	1	5.2	0	1.5	3	10.3
Metro/Non-Metro																
Denver PMSA	27,655	17.0	2,228	8.1	5,577	20.2	9,953	6.1	270	9.7	158	5.7	111	4.0	347	12.5
Denver CMSA	30,917	16.8	2,419	7.8	5,936	19.2	11,003	6.0	295	9.5	172	5.6	123	4.0	383	12.3
Total Metro	45,032	16.9	3,508	7.8	8,248	18.3	15,977	6.0	434	9.6	254	5.6	180	4.0	567	12.5
Non-Metro	9,318	15.5	712	7.6	1,344	14.4	4,776	8.0	82	8.8	52	5.5	30	3.3	128	13.6
Five-Region Substate Groups																
Front Range	45,032	16.9	3,508	7.8	8,248	18.3	15,977	6.0	434	9.6	254	5.6	180	4.0	567	12.5
Western Slope	5,011	15.5	388	7.7	663	13.2	2,147	6.7	48	9.6	30	6.1	18	3.6	69	13.7
Eastern Plains	2,170	15.8	138	6.4	319	14.7	1,366	9.9	20	9.3	13	5.8	8	3.5	31	14.4
San Luis Valley	738	18.2	62	8.4	129	17.4	323	7.9	4	5.7	3	4.1	1	1.6	10	13.7
Eastern Mtns	1,399	14.0	124	8.8	233	16.6	940	9.4	9	6.7	6	4.0	4	2.7	17	12.3
Population-Based Regions																
1 Denver	8,857	17.2	820	9.3	2,906	32.8	4,550	8.8	98	11.0	60	6.7	38	4.3	132	14.8
2 Jefferson	6,622	15.8	466	7.0	762	11.5	2,194	5.2	53	8.0	31	4.6	22	3.4	68	10.2
3 Boulder	3,262	15.3	191	5.9	359	11.0	1,050	4.9	25	7.8	14	4.3	11	3.5	36	11.0
4 Adams	5,098	19.0	434	8.5	1,147	22.5	1,431	5.3	54	10.6	32	6.3	22	4.3	70	13.7
5 Arapahoe	6,301	16.4	461	7.3	725	11.5	1,642	4.3	59	9.4	33	5.2	26	4.2	70	11.1
6 El Paso	7,359	19.4	606	8.2	1,055	14.3	1,977	5.2	73	9.9	41	5.6	32	4.3	92	12.4
7 Larimer	2,743	15.7	178	6.5	336	12.2	1,003	5.7	23	8.5	14	5.2	9	3.2	32	11.7
8 Pueblo	1,812	14.1	141	7.8	541	29.9	1,154	9.0	19	10.6	10	5.7	9	4.9	23	12.7
9 Weld	2,201	16.0	164	7.5	380	17.3	840	6.1	24	10.9	16	7.3	8	3.6	36	16.4
10 Northwest Reg	2,099	16.2	152	7.2	281	13.4	1,021	7.9	19	9.2	12	5.7	7	3.5	27	12.6
11 Western Reg	1,940	14.1	164	8.5	204	10.5	754	5.5	17	9.0	10	5.4	7	3.6	26	13.2
12 Eastern Reg	2,170	15.8	138	6.4	319	14.7	1,366	9.9	20	9.3	13	5.8	8	3.5	31	14.4
13 Central Reg	1,905	15.9	151	7.9	197	10.3	820	6.8	13	7.0	7	3.8	6	3.3	21	11.0
14 Southern Reg	1,982	16.9	155	7.8	380	19.2	951	8.1	17	8.8	12	6.3	5	2.5	30	14.8

All rates are based on five-year average annual counts expressed as whole numbers. Counts may not add to total because of rounding. Birth and death rates are per 1,000 midyear (1986) population. Infant, neonatal and postneonatal mortality rates are events per 1,000 live births. Perinatal mortality rate is perinatal deaths per 1,000 live births and spontaneous fetal deaths of 20+ weeks gestation.Counts may not add to total because of rounding. See inside back cover for descriptions of regions.

Table 6. Vital Statistics Summary by County and Region: Colorado Occurrence, 1988

Place	Live Births		Low Weight Births		Births to Unmarried Women		Total Deaths		Infant Deaths		Neonatal Deaths		Postneonatal Deaths	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Colorado	53,518	100.0	4,292	100.0	10,413	100.0	21,735	100.0	547	100.0	327	100.0	220	100.0
Adams	3120	5.8	274	6.4	428	4.1	1,306	6.0	30	5.5	19	5.8	11	5.0
Alamosa	554	1.0	35	0.8	90	0.9	118	0.5	2	0.4	1	0.3	1	0.5
Arapahoe	5590	10.4	381	8.9	393	3.8	1,507	6.9	41	7.5	18	5.5	23	10.5
Archuleta	4	0.0	0	0.0	1	0.0	22	0.1	0	0.0	0	0.0	0	0.0
Baca	24	0.0	0	0.0	1	0.0	58	0.3	1	0.2	0	0.0	1	0.5
Bent	0	0.0	0	0.0	0	0.0	80	0.4	0	0.0	0	0.0	0	0.0
Boulder	3159	5.9	154	3.6	340	3.3	936	4.3	16	2.9	4	1.2	12	5.5
Chaffee	183	0.3	6	0.1	22	0.2	114	0.5	2	0.4	1	0.3	1	0.5
Cheyenne	27	0.1	1	0.0	4	0.0	20	0.1	0	0.0	0	0.0	0	0.0
Clear Creek	1	0.0	0	0.0	0	0.0	13	0.1	0	0.0	0	0.0	0	0.0
Conejos	58	0.1	3	0.1	16	0.2	43	0.2	0	0.0	0	0.0	0	0.0
Costilla	1	0.0	0	0.0	0	0.0	12	0.1	0	0.0	0	0.0	0	0.0
Crowley	1	0.0	0	0.0	1	0.0	25	0.1	1	0.2	1	0.3	0	0.0
Custer	0	0.0	0	0.0	0	0.0	6	0.0	0	0.0	0	0.0	0	0.0
Delta	238	0.4	12	0.3	45	0.4	189	0.9	0	0.0	0	0.0	0	0.0
Denver	18149	33.9	1,881	43.8	5,304	50.9	5,918	27.2	273	49.9	190	58.1	83	37.7
Dolores	0	0.0	0	0.0	0	0.0	6	0.0	1	0.2	1	0.3	0	0.0
Douglas	6	0.0	0	0.0	0	0.0	82	0.4	1	0.2	0	0.0	1	0.5
Eagle	324	0.6	25	0.6	19	0.2	41	0.2	0	0.0	0	0.0	0	0.0
Elbert	0	0.0	0	0.0	0	0.0	24	0.1	1	0.2	1	0.3	0	0.0
El Paso	7901	14.8	646	15.1	1,237	11.9	2,102	9.7	72	13.2	42	12.8	30	13.6
Fremont	239	0.4	15	0.3	69	0.7	364	1.7	1	0.2	0	0.0	1	0.5
Garfield	440	0.8	20	0.5	36	0.3	178	0.8	3	0.5	2	0.6	1	0.5
Gilpin	0	0.0	0	0.0	0	0.0	7	0.0	0	0.0	0	0.0	0	0.0
Grand	59	0.1	3	0.1	7	0.1	26	0.1	1	0.2	1	0.3	0	0.0
Gunnison	121	0.2	9	0.2	9	0.1	53	0.2	0	0.0	0	0.0	0	0.0
Hinsdale	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	0	0.0	0	0.0
Huerfano	2	0.0	0	0.0	2	0.0	50	0.2	0	0.0	0	0.0	0	0.0
Jackson	0	0.0	0	0.0	0	0.0	6	0.0	0	0.0	0	0.0	0	0.0
Jefferson	1862	3.5	126	2.9	150	1.4	2,262	10.4	28	5.1	10	3.1	18	8.2
Kiowa	3	0.0	0	0.0	0	0.0	12	0.1	0	0.0	0	0.0	0	0.0
Kit Carson	139	0.3	6	0.1	12	0.1	56	0.3	1	0.2	0	0.0	1	0.5
Lake	70	0.1	7	0.2	24	0.2	26	0.1	1	0.2	0	0.0	1	0.5
La Plata	699	1.3	34	0.8	120	1.2	238	1.1	1	0.2	1	0.3	0	0.0
Larimer	2737	5.1	150	3.5	385	3.7	1,015	4.7	11	2.0	5	1.5	6	2.7
Las Animas	183	0.3	12	0.3	51	0.5	131	0.6	1	0.2	1	0.3	0	0.0
Lincoln	55	0.1	1	0.0	2	0.0	64	0.3	1	0.2	0	0.0	1	0.5
Logan	216	0.4	8	0.2	27	0.3	166	0.8	2	0.4	1	0.3	1	0.5
Mesa	1374	2.6	119	2.8	261	2.5	965	4.4	17	3.1	9	2.8	8	3.6
Mineral	0	0.0	0	0.0	0	0.0	7	0.0	0	0.0	0	0.0	0	0.0
Moffat	127	0.2	4	0.1	22	0.2	65	0.3	0	0.0	0	0.0	0	0.0
Montezuma	235	0.4	9	0.2	55	0.5	141	0.6	1	0.2	1	0.3	0	0.0
Montrose	322	0.6	29	0.7	54	0.5	221	1.0	1	0.2	0	0.0	1	0.5
Morgan	336	0.6	18	0.4	62	0.6	219	1.0	2	0.4	1	0.3	1	0.5
Otero	404	0.8	15	0.3	109	1.0	230	1.1	1	0.2	1	0.3	0	0.0
Ouray	1	0.0	0	0.0	0	0.0	7	0.0	0	0.0	0	0.0	0	0.0
Park	1	0.0	0	0.0	0	0.0	25	0.1	0	0.0	0	0.0	0	0.0
Phillips	52	0.1	1	0.0	8	0.1	29	0.1	0	0.0	0	0.0	0	0.0
Pitkin	205	0.4	12	0.3	23	0.2	27	0.1	0	0.0	0	0.0	0	0.0
Prowers	212	0.4	19	0.4	45	0.4	90	0.4	2	0.4	2	0.6	0	0.0
Pueblo	1889	3.5	117	2.7	639	6.1	1,287	5.9	10	1.8	2	0.6	8	3.6
Rio Blanco	62	0.1	1	0.0	7	0.1	36	0.2	0	0.0	0	0.0	0	0.0
Rio Grande	70	0.1	6	0.1	12	0.1	89	0.4	1	0.2	1	0.3	0	0.0
Routt	223	0.4	10	0.2	16	0.2	54	0.2	1	0.2	0	0.0	1	0.5
Saguache	1	0.0	0	0.0	0	0.0	16	0.1	0	0.0	0	0.0	0	0.0
San Juan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	1	0.0	0	0.0	0	0.0	3	0.0	0	0.0	0	0.0	0	0.0

Place	Live Births		Low Weight Births		Births to Unmarried Women		Total Deaths		Infant Deaths		Neonatal Deaths		Postneonatal Deaths	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Sedgwick	14	0.0	0	0.0	4	0.0	28	0.1	0	0.0	0	0.0	0	0.0
Summit	17	0.0	2	0.0	1	0.0	36	0.2	2	0.4	1	0.3	1	0.5
Teller	6	0.0	1	0.0	0	0.0	31	0.1	0	0.0	0	0.0	0	0.0
Washington	21	0.0	0	0.0	3	0.0	33	0.2	0	0.0	0	0.0	0	0.0
Weld	1703	3.2	117	2.7	288	2.8	735	3.4	17	3.1	10	3.1	7	3.2
Yuma	77	0.1	3	0.1	9	0.1	83	0.4	0	0.0	0	0.0	0	0.0
														0.0
Planning and Management Regions														0.0
														0.0
PMR 1	716	1.3	30	0.7	113	1.1	558	2.6	4	0.7	2	0.6	2	0.9
2	4440	8.3	267	6.2	673	6.5	1,750	8.1	28	5.1	15	4.6	13	5.9
3	31887	59.6	2,816	65.6	6,615	63.5	12,031	55.4	389	71.1	241	73.7	148	67.3
4	7908	14.8	647	15.1	1,237	11.9	2,158	9.9	72	13.2	42	12.8	30	13.6
5	221	0.4	8	0.2	18	0.2	164	0.8	3	0.5	1	0.3	2	0.9
6	644	1.2	34	0.8	156	1.5	495	2.3	5	0.9	4	1.2	1	0.5
7	1889	3.5	117	2.7	639	6.1	1,287	5.9	10	1.8	2	0.6	8	3.6
8	684	1.3	44	1.0	118	1.1	285	1.3	3	0.5	2	0.6	1	0.5
9	938	1.8	43	1.0	176	1.7	407	1.9	3	0.5	3	0.9	0	0.0
10	683	1.3	50	1.2	108	1.0	475	2.2	1	0.2	0	0.0	1	0.5
11	2003	3.7	144	3.4	326	3.1	1,244	5.7	20	3.7	11	3.4	9	4.1
12	828	1.5	52	1.2	66	0.6	190	0.9	4	0.7	2	0.6	2	0.9
13	492	0.9	28	0.7	115	1.1	510	2.3	4	0.7	1	0.3	3	1.4
14	185	0.3	12	0.3	53	0.5	181	0.8	1	0.2	1	0.3	0	0.0
Metro/Non-Metro														
Denver PMSA	28,727	53.7	2,662	62.0	6,275	60.3	11,075	51.0	373	68.2	237	72.5	136	61.8
Denver CMSA	31,886	59.6	2,816	65.6	6,615	63.5	12,011	55.3	389	71.1	241	73.7	148	67.3
Total Metro	46,116	86.2	3,846	89.6	9,164	88.0	17,150	78.9	499	91.2	300	91.7	199	90.5
Non-Metro	7,402	13.8	446	10.4	1,249	12.0	4,585	21.1	48	8.8	27	8.3	21	9.5
Five-Region Substate Groups														
Front Range	46,116	86.2	3,846	89.6	9,164	88.0	17,150	78.9	499	91.2	300	91.7	199	90.5
West Slope	4,452	8.3	289	6.7	676	6.5	2,316	10.7	28	5.1	16	4.9	12	5.5
Eastern Plns	1,581	3.0	72	1.7	287	2.8	1,217	5.6	12	2.2	7	2.1	5	2.3
San Luis Val	684	1.3	44	1.0	118	1.1	285	1.3	3	0.5	2	0.6	1	0.5
Eastern Mtns	685	1.3	41	1.0	168	1.6	767	3.5	5	0.9	2	0.6	3	1.4
Population-Based Regions														
1 Denver	18,149	33.9	1,881	43.8	5,304	50.9	5,918	27.2	273	49.9	190	58.1	83	37.7
2 Jefferson	1,862	3.5	126	2.9	150	1.4	2,262	10.4	28	5.1	10	3.1	18	8.2
3 Boulder	3,159	5.9	154	3.6	340	3.3	936	4.3	16	2.9	4	1.2	12	5.5
4 Adams	3,120	5.8	274	6.4	428	4.1	1,306	6.0	30	5.5	19	5.8	11	5.0
5 Arapahoe	5,590	10.4	381	8.9	393	3.8	1,507	6.9	41	7.5	18	5.5	23	10.5
6 El Paso	7,901	14.8	646	15.1	1,237	11.9	2,102	9.7	72	13.2	42	12.8	30	13.6
7 Larimer	2,737	5.1	150	3.5	385	3.7	1,015	4.7	11	2.0	5	1.5	6	2.7
8 Pueblo	1,889	3.5	117	2.7	639	6.1	1,287	5.9	10	1.8	2	0.6	8	3.6
9 Weld	1,703	3.2	117	2.7	288	2.8	735	3.4	17	3.1	10	3.1	7	3.2
10 Northwest	2,003	3.7	144	3.4	326	3.1	1,244	5.7	20	3.7	11	3.4	9	4.1
11 Western	1,511	2.8	102	2.4	174	1.7	665	3.1	5	0.9	2	0.6	3	1.4
12 Eastern	1,581	3.0	72	1.7	287	2.8	1,217	5.6	12	2.2	7	2.1	5	2.3
13 Central	506	0.9	29	0.7	115	1.1	668	3.1	5	0.9	1	0.3	4	1.8
14 Southern	1,807	3.4	99	2.3	347	3.3	873	4.0	7	1.3	6	1.8	1	0.5

See technical notes for definitions of data items. See inside back cover for descriptions of regions.

Part Two. Population

Colorado's population increased by an estimated 8,293 persons to 3,301,467 between midyear 1987 and midyear 1988, for an annual increase of only 0.3 percent. This increase was the smallest since 1958 and signals the continuation of what probably is the longest period of slow growth and large net outmigration in the state since the Great Depression, according to Reid Reynolds, Colorado State Demographer.

Net migration is the difference between the number of persons entering and leaving the state. Between 1987 and 1988, an estimated 23,775 more people moved out of Colorado from the state than moved into the state. Natural increase, or the difference between resident live births and deaths, was entirely responsible for the increase in population in 1988. Natural increase was 32,140 between midyear 1987 and midyear 1988.

Table 7 presents population data for Colorado for census years between 1860 and 1980. As this table shows, natural increase accounted for the majority of the state's population growth between 1930 and 1960. Between 1960 and 1983 net migration generally accounted for a greater proportion of the state's growth.

The state's median age increased in 1988 to a new high of 31.5 years, up from 31.0 years in 1987. Changes in the median age reflect both the aging of the large postwar baby-boom generation and increased life expectancy in the state.

Table 8 presents Colorado population by age and sex for the years 1980 through 1988. Figure 1 depicts changes in single-year age distribution in the state between 1980 and 1988. Figure 2 compares age distribution in Colorado to that for the United States as a whole. As this graph shows, Colorado's population continued to be somewhat younger than in the nation. The U.S. median age for 1987 was estimated at 32.1 years by the U.S. Census Bureau.

Figures 3 and 4 further depict Colorado's population by age for the years 1970, 1980 and 1988. Figure 3 shows the number of persons in the population by age group and Figure 4 shows the percent distribution of age-groups in the population in these years.

Population figures for the years 1980-89 used in this report are preliminary 1988-based estimates and projections from the Demographic Section, Colorado Department of Local Affairs. These population figures are subject to revision and are not meant to be interpreted as official counts of the population. Counts may not add to total because of estimation methods used.

Population Data by County and Region

Table 9.	Population by County and Region: Colorado, Selected Years, 1970-1989
Table 10.	Estimated Population, Population Growth, (1987-88) and Population Density by County and Region: Colorado, 1988
Table 11.	Total Population by Age Group by County and Region: Colorado, 1988
Table 12.	Male Population by Age Group by County and Region: Colorado, 1988
Table 13.	Female Population by Age Group by County and Region: Colorado, 1988

Table 7. Population, Population Growth, Natural Increase, Net Migration and Median Age: Colorado, Census Years, 1860-1980

Year	Colorado Population	Change from Previous Decade		Natural Increase in Previous Decade				Net Migration	Median Age
		Number	Percent	Births in Decade	Deaths in Decade	Natural Increase	Percent of Change		
1860	34,277	-	-	-	-	-	-	-	-
1870	39,864	5,587	16.3	-	-	-	-	-	-
1880	194,327	154,463	387.5	-	-	-	-	-	-
1890	413,249	218,922	112.7	-	-	-	-	-	25.7
1900	539,700	126,451	30.6	-	-	-	-	-	26.0
1910	799,024	259,324	48.0	-	-	-	-	-	26.3
1920	939,629	140,605	17.6	-	-	-	-	-	26.8
1930	1,035,791	96,162	10.2	192,841	127,989	64,852	67.4	31,310	27.3
1940	1,123,296	87,505	8.4	187,206	127,911	59,295	67.8	28,210	29.2
1950	1,325,089	201,793	18.0	264,798	120,331	144,467	71.6	57,326	29.5
1960	1,753,947	428,858	32.4	390,111	134,015	256,096	59.7	172,762	27.9
1970	2,209,596	455,649	26.0	396,810	162,615	234,195	51.4	221,454	26.2
1980	2,889,735	680,139	30.8	413,392	179,646	233,746	34.4	446,393	28.6

Population figures are April 1 census counts. Colorado became a state in 1876.

Table 8. Colorado Population by Age and Sex: 1980-88

	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
1980														
Total	2,908,277	46,132	171,751	214,536	227,638	270,292	304,460	573,220	349,292	272,594	229,689	149,490	74,691	24,492
Male	1,443,389	23,761	87,905	109,675	115,905	138,485	155,268	291,543	175,074	134,794	109,865	65,917	27,838	7,359
Female	1,464,841	22,371	83,845	104,858	111,730	131,804	149,190	281,673	174,212	137,797	119,817	83,568	46,847	17,129
1981														
Total	2,983,997	49,223	180,234	217,334	226,931	268,404	308,096	596,106	371,519	275,448	235,028	153,771	76,714	25,189
Male	1,482,074	25,335	92,303	111,166	115,723	137,596	157,444	303,519	186,491	136,294	112,106	67,946	28,771	7,380
Female	1,501,874	23,888	87,929	106,166	111,206	130,807	150,651	292,578	185,023	139,149	122,915	85,818	47,939	17,805
1982														
Total	3,071,710	52,674	190,267	222,272	227,510	267,723	312,581	619,706	396,789	279,233	239,886	158,134	79,132	25,803
Male	1,527,186	27,091	97,487	113,753	116,194	137,341	160,070	316,115	199,518	138,224	114,132	70,035	29,796	7,430
Female	1,544,490	25,582	92,779	108,517	111,314	130,381	152,510	303,588	197,269	141,007	125,748	88,092	49,332	18,371
1983														
Total	3,148,360	55,554	199,238	227,750	227,558	265,467	312,577	637,621	423,152	283,837	244,283	162,881	81,919	26,523
Male	1,566,183	28,551	102,114	116,597	116,370	136,226	160,292	325,655	213,101	140,504	115,957	72,320	30,929	7,567
Female	1,582,134	27,002	97,122	111,150	111,187	129,238	152,284	311,961	210,047	143,328	128,323	90,557	50,983	18,952
1984														
Total	3,189,378	56,755	203,735	231,336	226,680	261,094	305,919	642,647	447,837	288,634	247,451	166,132	84,036	27,122
Male	1,586,844	29,167	104,417	118,431	116,078	134,108	156,925	328,173	225,711	143,037	117,380	73,923	31,782	7,712
Female	1,602,494	27,587	99,316	112,904	110,600	126,983	148,993	314,471	222,124	145,592	130,067	92,203	52,248	19,406
1985														
Total	3,232,494	57,626	207,599	235,468	226,683	257,886	299,742	644,041	472,847	294,816	249,968	170,952	86,815	28,051
Male	1,608,487	29,621	106,394	120,531	116,218	132,610	153,823	328,910	238,467	146,253	118,582	76,226	32,883	7,969
Female	1,623,966	28,005	101,203	114,933	110,462	125,276	145,916	315,127	234,374	148,562	131,381	94,722	53,927	20,078
1986														
Total	3,265,337	57,920	209,701	238,830	226,807	255,675	294,196	636,331	495,759	302,605	252,077	176,409	89,815	29,212
Male	1,624,538	29,779	107,454	122,219	116,402	131,614	150,983	324,824	250,014	150,264	119,779	78,805	34,087	8,314
Female	1,640,767	28,141	102,246	116,610	110,405	124,060	143,210	311,504	245,738	152,335	132,296	97,602	55,724	20,896
1987														
Total	3,293,174	58,087	211,709	242,699	227,296	252,332	284,146	625,573	518,512	312,586	254,128	182,374	93,123	30,609
Male	1,637,581	29,887	108,468	124,155	116,745	130,061	145,795	318,894	261,550	155,374	120,913	81,579	35,429	8,731
Female	1,655,558	28,200	103,238	118,542	110,548	122,268	138,349	306,675	256,959	157,209	133,211	100,790	57,691	21,878
1988														
Total	3,301,467	57,372	211,447	245,277	227,105	247,465	271,409	609,471	538,715	323,892	255,522	186,334	95,612	31,846
Male	1,641,402	29,555	108,331	125,446	116,755	127,856	139,376	310,319	271,846	161,179	121,779	83,403	36,467	9,090
Female	1,660,026	27,816	103,115	119,829	110,348	119,606	132,030	299,150	266,864	162,708	133,738	102,929	59,140	22,753

Population figures are 1988-based preliminary estimates from the Demographic Section, Colorado Department of Local Affairs.

Figure 1. Change in Age Distribution of Population: Colorado, 1980 and 1988

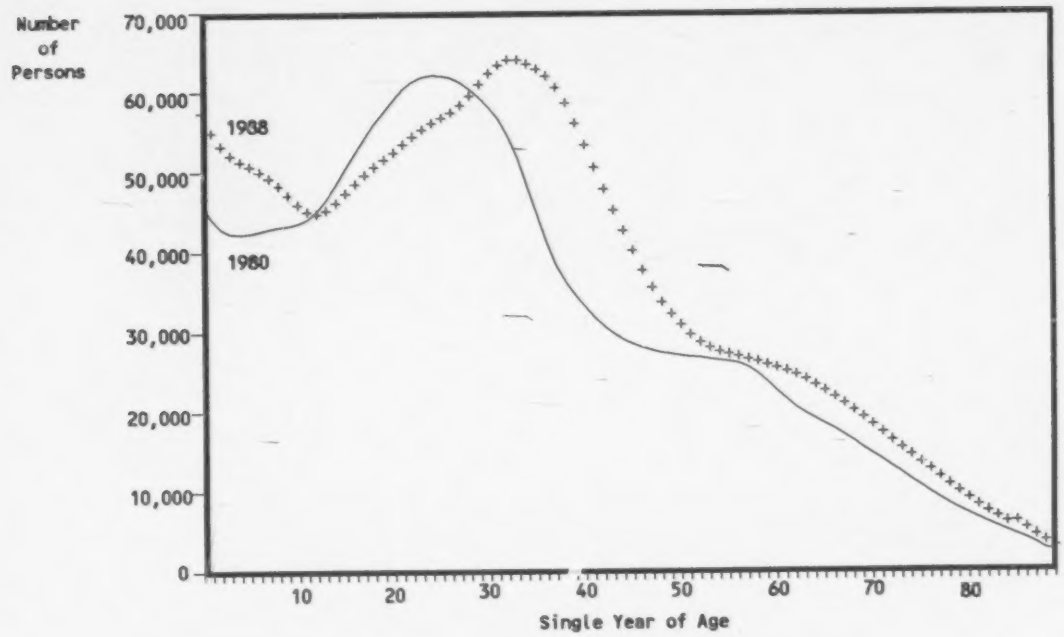


Figure 2. Percent Distribution of Population by Age: Colorado and United States, 1988

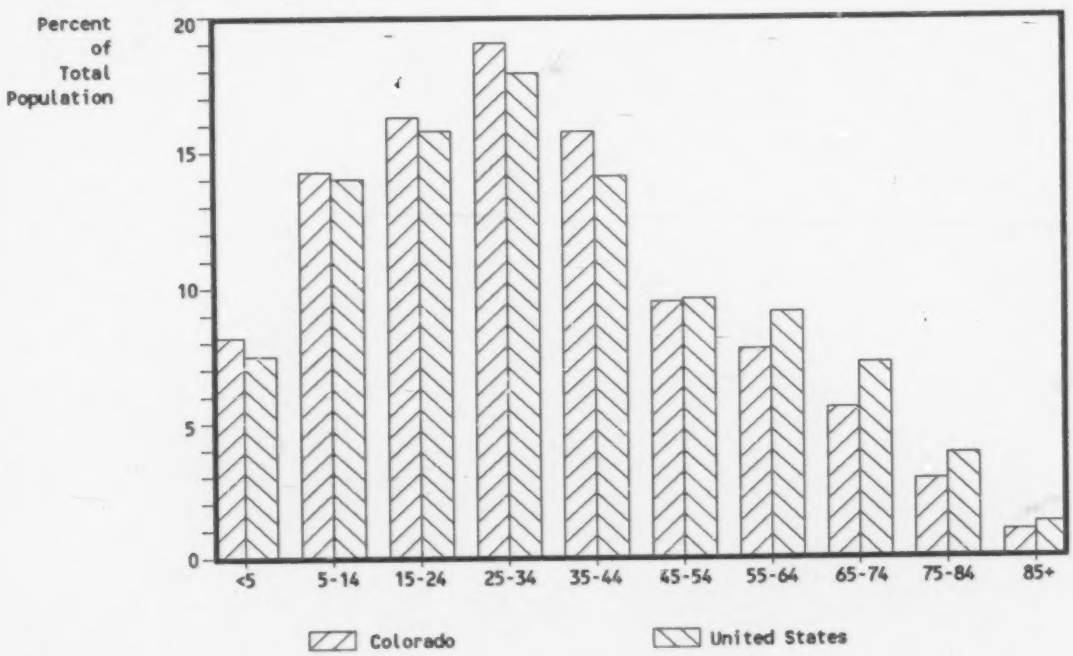


Figure 3. Colorado Population by Age Group: 1970, 1980, 1988

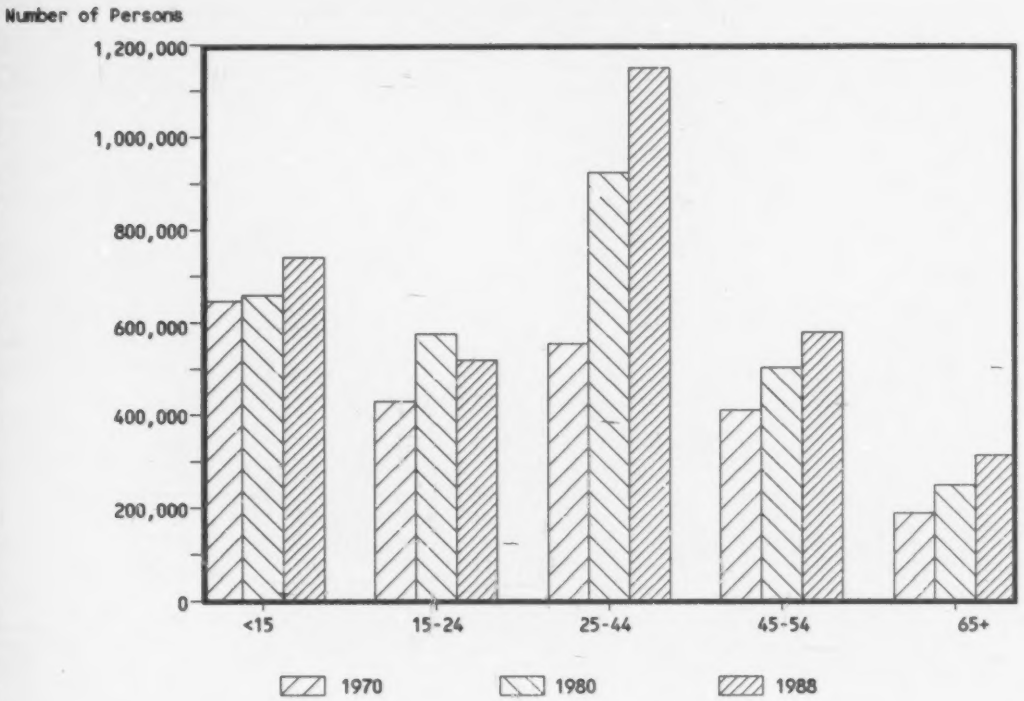


Figure 4. Percent Distribution of Age Groups in Population: Colorado, 1970, 1980, 1988

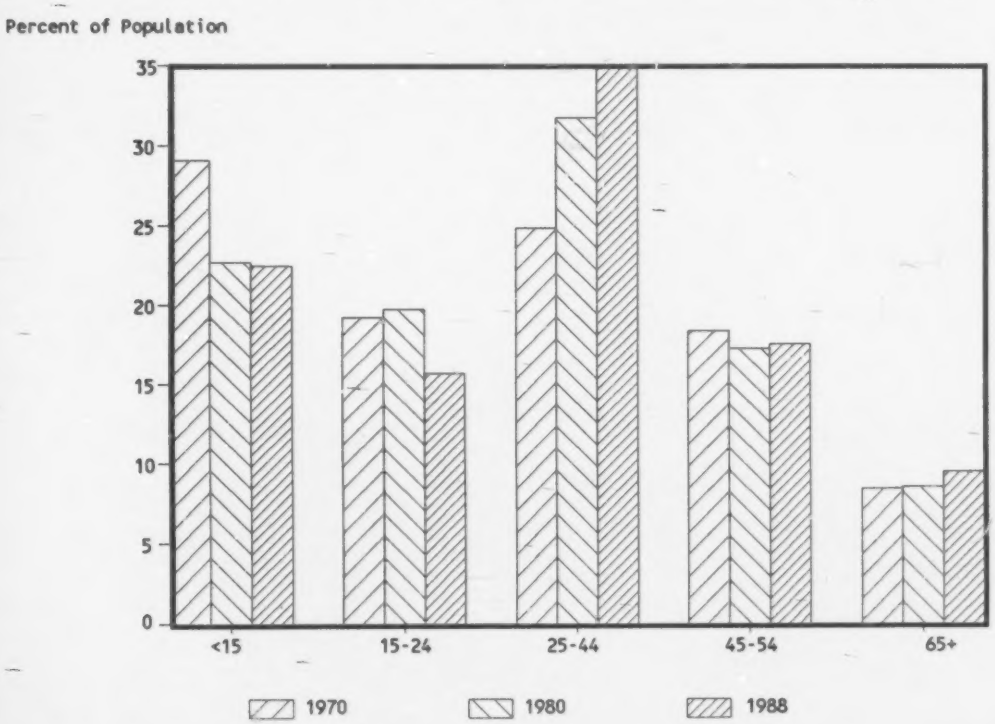


Table 9. Population by County and Region: Colorado, Selected Years, 1970-1989

Place	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Colorado	2,228,340	2,908,277	2,983,997	3,071,710	3,148,360	3,189,378	3,232,494	3,265,337	3,293,174	3,301,467	3,359,211
Adams	187,385	247,312	252,983	260,102	267,307	265,893	268,924	268,856	269,989	269,557	280,430
Alamosa	11,500	11,813	12,021	12,003	12,290	12,473	12,457	12,673	12,693	12,859	12,965
Arapahoe	163,975	297,610	315,057	334,075	348,333	365,792	379,331	384,972	386,637	384,091	390,432
Archuleta	2,681	3,691	3,975	4,161	4,963	4,956	5,197	5,328	5,259	5,004	5,111
Baca	5,669	5,363	5,301	5,262	5,194	4,964	4,775	4,483	4,453	4,598	4,513
Bent	6,497	5,902	5,905	5,744	5,959	5,837	5,702	5,741	5,459	5,461	5,369
Boulder	133,670	190,687	195,113	200,614	205,327	211,236	210,693	213,375	216,359	220,684	224,884
Chaffee	10,286	13,249	13,501	13,335	13,115	12,732	12,229	12,341	12,324	12,040	12,164
Cheyenne	2,394	2,131	2,213	2,271	2,291	2,340	2,434	2,346	2,282	2,446	2,441
Clear Creek	5,001	7,290	7,420	7,293	7,556	7,539	7,690	7,867	7,508	7,379	7,538
Conejos	7,847	7,743	7,713	7,759	7,995	8,142	7,957	8,171	8,379	8,173	8,131
Costilla	3,090	3,029	3,026	3,095	3,259	3,248	3,354	3,301	3,357	3,409	3,389
Crowley	3,093	2,954	2,979	2,968	3,150	3,050	3,214	3,262	3,413	4,355	4,333
Custer	1,136	1,495	1,530	1,601	1,761	1,909	2,087	2,116	2,096	2,037	2,073
Delta	15,310	21,463	22,554	23,618	23,918	24,420	23,960	22,927	22,473	22,261	22,520
Denver	516,852	493,969	499,251	504,412	512,319	508,468	511,085	514,635	511,333	501,975	501,488
Dolores	1,638	1,625	1,648	1,656	1,767	1,671	1,533	1,517	1,491	1,598	1,577
Douglas	8,608	25,470	26,900	28,779	31,352	33,842	36,730	41,236	43,525	46,613	52,507
Eagle	7,701	13,379	13,772	15,420	16,047	16,910	18,232	19,114	19,346	20,059	20,740
Elbert	3,917	6,867	7,069	7,432	7,920	8,172	8,455	8,673	9,218	9,682	9,989
El Paso	238,806	311,933	322,147	331,758	341,886	355,025	368,864	379,783	393,898	396,290	406,031
Fremont	22,142	28,754	29,231	29,846	30,653	30,393	30,260	29,851	29,955	30,214	30,628
Garfield	15,004	22,925	24,763	28,713	28,492	25,157	25,124	25,486	25,612	26,245	26,823
Gilpin	1,303	2,423	2,509	2,609	2,783	2,713	2,723	2,799	2,789	2,649	2,713
Grand	4,241	7,503	7,802	8,235	8,322	9,207	9,630	9,635	9,495	9,106	9,323
Gunnison	7,731	10,679	10,803	10,909	10,800	10,998	11,132	11,834	11,988	12,126	12,344
Hinsdale	206	379	405	412	474	476	374	359	385	355	359
Huerfano	6,539	6,395	6,373	6,653	6,964	6,946	7,213	7,239	7,067	6,929	6,884
Jackson	1,853	1,845	1,960	1,971	1,714	1,684	1,599	1,564	1,612	1,540	1,518
Jefferson	238,134	374,341	384,878	395,961	402,293	408,634	415,244	419,451	421,950	422,684	429,786
Kiowa	2,030	1,906	1,968	1,909	1,920	1,946	1,854	1,811	1,780	1,739	1,708
Kit Carson	7,596	7,549	7,527	7,630	7,884	7,979	7,758	7,622	7,541	7,634	7,621
Lake	8,322	8,828	8,992	8,482	7,746	7,284	6,939	6,627	6,255	5,978	5,844
La Plata	19,391	27,161	28,362	29,454	30,469	30,600	30,813	30,126	30,197	30,330	30,820
Larimer	91,342	150,043	153,641	158,489	162,534	166,168	170,315	174,506	177,863	179,746	184,784
Las Animas	15,835	14,902	15,091	15,140	15,129	14,725	14,262	14,134	14,453	14,284	14,113
Lincoln	4,870	4,595	4,483	4,480	4,559	4,470	4,613	4,462	4,489	4,634	4,623
Logan	18,916	19,793	19,914	19,930	20,224	19,958	19,778	18,991	18,715	19,059	18,935
Mesa	54,564	82,621	87,149	94,034	97,035	93,942	88,578	86,219	86,461	88,264	89,688
Mineral	794	782	861	811	814	797	764	697	658	608	613
Moffat	6,510	13,164	13,452	14,517	15,084	13,775	12,578	11,888	11,056	10,821	10,904
Montezuma	13,072	16,629	17,263	17,973	18,763	18,736	17,994	17,368	16,599	16,314	16,394
Montrose	18,390	24,504	25,265	25,713	26,260	25,877	25,543	25,194	25,459	25,976	26,222
Morgan	20,306	22,478	22,488	22,829	23,504	23,121	22,797	21,939	22,219	22,440	22,466
Otero	23,444	22,543	22,592	22,515	22,542	22,148	22,184	21,959	21,528	21,530	21,325
Ouray	1,544	1,900	1,987	2,019	2,010	2,066	1,967	1,825	1,957	1,938	1,958
Park	2,210	5,395	5,810	6,123	6,495	6,256	6,030	6,172	6,147	6,018	6,214
Phillips	4,088	4,492	4,484	4,565	4,719	4,476	4,491	4,536	4,531	4,469	4,450
Pitkin	6,347	10,247	10,047	10,294	10,610	11,361	12,099	12,983	13,266	13,575	14,008
Prowers	13,294	13,016	12,994	13,225	13,916	14,080	14,103	13,821	13,659	13,852	13,860
Pueblo	118,742	125,933	125,941	125,875	126,572	126,482	127,036	128,559	130,315	132,274	132,402
Rio Blanco	4,837	6,309	6,694	6,945	7,157	6,406	5,979	5,748	5,653	5,451	5,451
Rio Grande	10,469	10,534	10,790	11,013	11,280	11,266	11,422	11,760	11,615	11,419	11,414
Routt	6,754	13,396	13,533	13,909	14,096	14,594	14,634	14,379	14,496	14,473	14,826
Saguache	3,832	3,907	3,952	3,961	4,102	3,975	3,905	4,004	4,099	3,911	3,864
San Juan	830	819	945	1,129	988	902	750	742	805	744	735
San Miguel	1,965	3,157	3,197	3,084	3,048	3,172	3,476	3,750	3,933	4,126	4,202

Place	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Sedgwick	3,403	3,216	3,209	3,218	3,201	3,264	3,085	2,930	2,924	2,953	2,894
Summit	2,793	8,913	9,327	10,240	10,664	12,600	13,642	14,252	13,502	13,761	14,292
Teller	3,392	8,080	8,459	9,021	9,748	10,291	10,591	10,925	11,428	11,311	11,713
Washington	5,534	5,246	5,163	5,336	5,502	5,461	5,319	5,107	5,101	5,045	4,970
Weld	90,195	123,782	125,317	126,764	130,974	133,870	136,581	137,157	140,008	142,146	144,635
Yuma	8,520	9,659	9,734	9,911	10,063	9,987	9,920	9,667	9,554	9,703	9,719
Planning and Management Regions											
PMR 1	60,767	64,884	64,992	65,789	67,213	66,267	65,390	63,170	63,044	63,669	63,434
2	181,537	273,825	278,958	285,253	293,508	300,038	306,896	311,663	317,871	321,892	329,419
3	1,254,928	1,639,102	1,684,111	1,733,845	1,777,270	1,804,117	1,832,420	1,853,191	1,860,090	1,855,632	1,889,778
4	244,408	325,408	336,416	346,902	358,129	371,572	385,485	396,880	411,473	413,619	423,958
5	18,777	21,142	21,292	21,813	22,654	22,961	23,260	23,103	23,530	24,396	24,674
6	54,027	51,684	51,739	51,623	52,681	52,025	51,832	51,077	50,292	51,535	51,108
7	118,742	125,933	125,941	125,875	126,572	126,482	127,036	128,559	130,315	132,274	132,402
8	37,532	37,808	38,363	38,642	39,740	39,901	39,859	40,606	40,801	40,379	40,376
9	37,612	49,925	52,193	54,373	56,950	56,865	56,287	55,081	54,351	53,990	54,637
10	45,146	62,082	64,211	65,755	66,510	67,009	66,452	65,889	66,195	66,782	67,605
11	80,915	125,019	132,058	144,209	147,768	139,280	132,259	129,341	128,782	130,781	132,866
12	29,689	55,283	56,441	60,069	61,453	66,356	69,836	71,927	71,717	72,514	74,707
13	41,886	52,326	53,254	53,264	53,275	52,318	51,515	50,935	50,630	50,269	50,709
14	22,374	21,297	21,464	21,793	22,093	21,671	21,475	21,373	21,520	21,213	20,997
Metro/Non-Metro											
Den PMSA	1,114,954	1,438,702	1,479,069	1,523,329	1,561,604	1,582,629	1,611,314	1,629,150	1,633,434	1,624,920	1,654,643
Den CMSA	1,248,624	1,629,389	1,674,182	1,723,943	1,766,931	1,793,865	1,822,007	1,842,525	1,849,793	1,845,604	1,879,527
All Metro	1,787,709	2,341,080	2,401,228	2,466,829	2,528,897	2,575,410	2,624,803	2,662,530	2,691,877	2,696,060	2,747,379
Non-Metro	440,631	564,638	580,205	602,376	616,919	611,452	605,199	600,265	598,734	602,885	609,291
Five-Region Substate Groups											
Frnt Range	1,787,709	2,341,080	2,401,228	2,466,829	2,528,897	2,575,410	2,624,803	2,662,530	2,691,877	2,696,060	2,747,379
West Slope	193,362	292,309	304,903	324,406	332,681	329,510	324,834	322,238	321,045	324,067	329,815
East Plns	133,571	137,710	138,023	139,225	142,548	141,253	140,482	137,350	136,866	139,600	139,216
San Luis	37,532	37,808	38,363	38,642	39,740	39,901	39,859	40,606	40,801	40,379	40,376
East Mtns	76,166	96,811	98,916	100,103	101,950	100,788	100,024	100,071	100,022	98,839	99,884
Population-Based Regions											
1 Denver	516,852	493,969	499,251	504,412	512,319	508,468	511,085	514,635	511,333	501,975	501,488
2 Jefferson	238,134	374,341	384,878	395,961	402,293	408,634	415,244	419,451	421,950	422,684	429,786
3 Boulder	133,670	190,687	195,113	200,614	205,327	211,236	210,693	213,375	216,359	220,684	224,884
4 Adams	187,385	247,312	252,983	260,102	267,307	265,893	268,924	268,856	269,989	269,557	280,430
5 Arapahoe	163,975	297,610	315,057	334,075	348,333	365,792	379,331	384,972	386,637	384,091	390,432
6 El Paso	238,806	311,933	322,147	331,758	341,886	355,025	368,864	379,783	393,898	396,290	406,031
7 Larimer	91,342	150,043	153,641	158,489	162,534	166,168	170,315	174,506	177,863	179,746	184,784
8 Pueblo	118,742	125,933	125,941	125,875	126,572	126,482	127,036	128,559	130,315	132,274	132,402
9 Weld	90,195	123,782	125,317	126,764	130,974	133,870	136,581	137,157	140,008	142,146	144,635
10 Northwest	80,915	125,019	132,058	144,209	147,768	139,280	132,259	129,341	128,782	130,781	132,866
11 Western	74,835	117,365	120,652	125,824	127,963	133,365	136,288	137,816	137,912	139,296	142,312
12 Eastern	133,571	137,710	138,023	139,225	142,548	141,253	140,482	137,350	136,866	139,600	139,216
13 Central	62,400	100,984	104,352	107,089	111,209	112,959	115,279	119,934	122,027	124,239	131,394
14 Southern	97,518	109,030	112,020	114,808	118,783	118,437	117,621	117,060	116,672	115,582	116,010

Population figures for 1970 are final midyear estimates. Population figures for 1980-89 are 1988-based preliminary estimates and projections. The source for these data is the Demographic Section, Colorado Department of Local Affairs. See inside back cover for descriptions of regions.

Table 10. Estimated Population, Population Growth (1987-88), and Population Density by County and Region: Colorado, 1988

Place	POPULATION 1988 Total	1988 Percent	1988 Rank	1987 Total	POPULATION GROWTH Population Gain/Loss	Percent Change	Rank	POPULATION DENSITY 1988 Area in Sq Miles	Persons per Sq Mile	Rank
Colorado	3,301,467	100.0	-	3,293,174	8,293	0.3	-	103,595	31.9	-
Adams	269,557	8.2	5	269,989	(432)	-0.2	35	1,235	218.3	5
Alamosa	12,859	0.4	27	12,693	166	1.3	22	719	17.9	18
Arapahoe	384,091	11.6	4	386,637	(2,546)	-0.7	36	800	480.1	3
Archuleta	5,004	0.2	45	5,259	(255)	-4.8	59	1,353	3.7	42
Baca	4,598	0.1	47	4,453	145	3.3	8	2,554	1.8	54
Bent	5,461	0.2	42	5,459	2	0.0	32	1,517	3.6	43
Boulder	220,684	6.7	6	216,359	4,325	2.0	14	742	297.4	4
Chaffee	12,040	0.4	29	12,324	(284)	-2.3	51	1,008	11.9	25
Cheyenne	2,446	0.1	55	2,282	164	7.2	2	1,783	1.4	58
Clear Creek	7,379	0.2	38	7,508	(129)	-1.7	45	396	18.6	16
Conejos	8,173	0.2	36	8,379	(206)	-2.5	52	1,284	6.4	33
Costilla	3,409	0.1	52	3,357	52	1.5	18	1,227	2.8	48
Crowley	4,355	0.1	49	3,413	942	27.6	1	790	5.5	35
Custer	2,037	0.1	56	2,096	(59)	-2.8	53	740	2.8	49
Delta	22,261	0.7	17	22,473	(212)	-0.9	37	1,141	19.5	15
Denver	501,975	15.2	1	511,333	(9,358)	-1.8	46	111	4,522.3	1
Dolores	1,598	0.0	59	1,491	107	7.2	3	1,064	1.5	57
Douglas	46,613	1.4	11	43,525	3,088	7.1	4	841	55.4	9
Eagle	20,059	0.6	19	19,346	713	3.7	7	1,690	11.9	26
Elbert	9,682	0.3	34	9,218	464	5.0	5	1,851	5.2	37
El Paso	396,290	12.0	3	393,898	2,392	0.6	29	2,129	186.1	6
Fremont	30,214	0.9	13	29,955	259	0.9	28	1,538	19.6	14
Garfield	26,245	0.8	14	25,612	633	2.5	10	2,952	8.9	29
Gilpin	2,649	0.1	54	2,789	(140)	-5.0	60	149	17.8	19
Grand	9,106	0.3	35	9,495	(389)	-4.1	55	1,854	4.9	38
Gunnison	12,126	0.4	28	11,988	138	1.2	24	3,238	3.7	41
Hinsdale	355	0.0	63	385	(30)	-7.8	63	1,115	0.3	63
Huerfano	6,929	0.2	39	7,067	(138)	-2.0	47	1,584	4.4	39
Jackson	1,540	0.0	60	1,612	(72)	-4.5	57	1,614	1.0	61
Jefferson	422,684	12.8	2	421,950	734	0.2	31	768	550.4	2
Kiowa	1,739	0.1	58	1,780	(41)	-2.3	50	1,758	1.0	60
Kit Carson	7,634	0.2	37	7,541	93	1.2	23	2,160	3.5	45
Lake	5,978	0.2	41	6,255	(277)	-4.4	56	379	15.8	22
La Plata	30,330	0.9	12	30,197	133	0.4	30	1,692	17.9	17
Larimer	179,746	5.4	7	177,863	1,883	1.1	25	2,604	69.0	7
Las Animas	14,284	0.4	23	14,453	(169)	-1.2	41	4,771	3.0	47
Lincoln	4,634	0.1	46	4,489	145	3.2	9	2,586	1.8	55
Logan	19,059	0.6	20	18,715	344	1.8	16	1,818	10.5	28
Mesa	88,264	2.7	10	86,461	1,803	2.1	12	3,309	26.7	11
Mineral	608	0.0	62	658	(50)	-7.6	62	877	0.7	62
Moffat	10,821	0.3	32	11,056	(235)	-2.1	49	4,732	2.3	51
Montezuma	16,314	0.5	21	16,599	(285)	-1.7	44	2,038	8.0	31
Montrose	25,976	0.8	15	25,459	517	2.0	13	2,240	11.6	27
Morgan	22,440	0.7	16	22,219	221	1.0	26	1,276	17.6	20
Otero	21,530	0.7	18	21,528	2	0.0	33	1,247	17.3	21
Ouray	1,938	0.1	57	1,957	(19)	-1.0	38	542	3.6	44
Park	6,018	0.2	40	6,147	(129)	-2.1	48	2,192	2.7	50
Phillips	4,469	0.1	48	4,531	(62)	-1.4	42	688	6.5	32
Pitkin	13,575	0.4	26	13,266	309	2.3	11	968	14.0	23
Prowers	13,852	0.4	24	13,659	193	1.4	21	1,629	8.5	30
Pueblo	132,274	4.0	9	130,315	1,959	1.5	20	2,377	55.6	8
Rio Blanco	5,451	0.2	43	5,653	(202)	-3.6	54	3,222	1.7	56
Rio Grande	11,419	0.3	30	11,615	(196)	-1.7	43	913	12.5	24
Routt	14,473	0.4	22	14,496	(23)	-0.2	34	2,367	6.1	34
Saguache	3,911	0.1	51	4,099	(188)	-4.6	58	3,167	1.2	59
San Juan	744	0.0	61	805	(61)	-7.6	61	388	1.9	53
San Miguel	4,126	0.1	50	3,933	193	4.9	6	1,287	3.2	46

Place	POPULATION 1988 Total	1988 Percent	1988 Rank	1987 Total	POPULATION GROWTH Population Gain/Loss	Percent Change	Rank	POPULATION DENSITY 1988 Area in Sq Miles	Persons per Sq Mile	Rank
Sedgwick	2,953	0.1	53	2,924	29	1.0	27	540	5.5	36
Summit	13,761	0.4	25	13,502	259	1.9	15	607	22.7	12
Teller	11,311	0.3	31	11,428	(117)	-1.0	39	559	20.2	13
Washington	5,045	0.2	44	5,101	(56)	-1.1	40	2,520	2.0	52
Weld	142,146	4.3	8	140,008	2,138	1.5	19	3,990	35.6	10
Yuma	9,703	0.3	33	9,554	149	1.6	17	2,365	4.1	40
Planning and Management Regions										
PMR 1	63,669	1.9	8	63,044	625	1.0	7	9,207	6.9	10
2	321,892	9.7	3	317,871	4,021	1.3	5	6,594	48.8	4
3	1,855,632	56.2	1	1,860,090	(4,458)	-0.2	10	5,042	368.0	1
4	413,619	12.5	2	411,473	2,146	0.5	9	4,880	84.8	2
5	24,396	0.7	13	23,530	866	3.7	1	8,380	2.9	14
6	51,535	1.6	10	50,292	1,243	2.5	2	9,495	5.4	11
7	132,274	4.0	4	130,315	1,959	1.5	4	2,377	55.6	3
8	40,379	1.2	12	40,801	(422)	-1.0	13	8,187	4.9	12
9	53,990	1.6	9	54,351	(361)	-0.7	11	6,535	8.3	7
10	66,782	2.0	7	66,195	587	0.9	8	9,563	7.0	9
11	130,781	4.0	5	128,782	1,999	1.6	3	14,215	9.2	6
12	72,514	2.2	6	71,717	797	1.1	6	9,100	8.0	8
13	50,269	1.5	11	50,630	(361)	-0.7	12	3,665	13.7	5
14	21,213	0.6	14	21,520	(307)	-1.4	14	6,355	3.3	13
Metro/Non-Metro										
Denver PMSA	1,624,920	49.2	-	1,633,434	(8,514)	-0.5	-	3,755	432.7	-
Denver CMSA	1,845,604	55.9	-	1,849,793	(4,189)	-0.2	-	4,497	410.4	-
Total Metro	2,696,060	81.7	-	2,691,877	4,183	0.2	-	15,597	172.9	-
Non-Metro	602,885	18.3	-	598,734	4,151	0.7	-	87,998	6.9	-
Five-Region Substate Groups										
Front Range	2,696,060	81.7	1	2,691,877	4,183	0.2	3	15,597	172.9	1
Western Slope	324,067	9.8	2	321,045	3,022	0.9	2	39,413	8.2	2
Eastern Plains	139,600	4.2	3	136,866	2,734	2.0	1	27,082	5.2	4
San Luis Valley	40,379	1.2	5	40,801	(422)	-1.0	4	8,187	4.9	5
Eastern Mtns	98,839	3.0	4	100,022	(1,183)	-1.2	5	13,316	7.4	3
Population-Based Regions										
1 Denver	501,975	15.2	1	511,333	(9,358)	-1.8	14	111	4,522.3	1
2 Jefferson	422,684	12.8	2	421,950	734	0.2	10	768	550.4	2
3 Boulder	220,684	6.7	6	216,359	4,325	2.0	1	742	297.4	4
4 Adams	269,557	8.2	5	269,989	(432)	-0.2	11	1,235	218.3	5
5 Arapahoe	384,091	11.6	4	386,637	(2,546)	-0.7	12	800	480.1	3
6 El Paso	396,290	12.0	3	393,898	2,392	0.6	9	2,129	186.1	6
7 Larimer	179,746	5.4	7	177,863	1,883	1.1	7	2,604	69.0	7
8 Pueblo	132,274	4.0	11	130,315	1,959	1.5	6	2,377	55.6	8
9 Weld	142,146	4.3	8	140,008	2,138	1.5	4	3,990	35.6	9
10 Northwest Reg	130,781	4.0	12	128,782	1,999	1.6	5	14,215	9.2	11
11 Western Reg	139,296	4.2	10	137,912	1,384	1.0	8	18,663	7.5	12
12 Eastern Reg	139,600	4.2	9	136,866	2,734	2.0	2	27,082	5.2	14
13 Central Reg	124,239	3.8	13	122,027	2,212	1.8	3	7,802	15.9	10
14 Southern Reg	115,582	3.5	14	116,672	(1,090)	-0.9	13	21,077	5.5	13

Population figures are 1988-based preliminary estimates from the Demographic Section, Colorado Department of Local Affairs. See inside back cover for descriptions of regions.

Table 11. Total Population by Age Group by County and Region: Colorado, 1988

Place	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Colorado	3,301,467	57,372	211,447	245,277	227,105	247,465	271,409	609,471	538,715	323,892	255,522	186,334	95,612	31,846
Adams	269,557	5,058	19,576	22,738	20,667	18,796	17,496	51,333	43,337	27,036	22,108	13,850	5,957	1,605
Alamosa	12,859	259	978	1,215	982	1,091	1,080	2,183	1,880	1,079	891	703	398	120
Arapahoe	384,091	6,590	24,870	29,157	28,440	25,200	17,970	76,214	78,333	42,287	27,881	18,206	6,815	2,128
Archuleta	5,004	89	358	453	414	403	363	711	760	499	486	339	102	27
Baca	4,598	71	284	348	309	295	289	659	597	435	471	459	283	98
Bent	5,461	55	278	425	419	394	361	736	725	546	638	509	279	96
Boulder	220,684	3,544	12,897	14,240	13,190	17,102	25,751	43,578	38,162	21,894	13,977	9,323	5,151	1,875
Chaffee	12,040	196	657	767	747	1,030	1,235	1,879	1,568	1,149	982	991	665	174
Cheyenne	2,446	43	200	258	181	131	129	415	347	186	225	186	119	26
Clear Creek	7,379	135	562	697	578	446	283	1,205	1,732	802	487	289	121	42
Conejos	8,173	132	614	833	705	622	611	1,334	977	711	689	536	316	93
Costilla	3,409	54	236	302	226	208	235	608	446	321	268	296	151	58
Crowley	4,355	51	245	312	210	200	343	1,065	631	350	335	324	209	80
Custer	2,037	15	128	214	148	93	87	423	356	180	176	119	85	13
Delta	22,261	280	1,137	1,584	1,617	1,775	1,651	2,817	3,008	2,145	1,829	2,363	1,568	487
Denver	501,975	7,713	32,245	35,716	29,082	27,513	45,130	99,877	75,734	41,551	44,037	35,548	20,122	7,707
Dolores	1,598	26	112	140	120	105	105	240	211	167	159	135	63	15
Douglas	46,613	931	3,481	3,639	3,700	3,357	3,870	10,442	8,237	4,775	2,177	1,314	515	175
Eagle	20,059	405	1,529	1,461	1,124	1,236	2,518	6,293	2,986	1,357	683	329	113	25
Elbert	9,682	156	637	828	787	829	861	1,620	1,707	1,017	561	389	220	70
El Paso	396,290	9,061	26,639	29,188	30,332	41,958	37,141	66,412	58,412	37,860	29,256	18,763	8,541	2,727
Fremont	30,214	435	1,543	1,834	1,829	2,257	2,587	4,785	3,836	2,703	2,530	2,862	2,261	752
Garfield	26,245	465	1,864	2,210	1,879	1,702	1,723	4,791	4,763	2,562	1,670	1,402	907	307
Gilpin	2,649	64	202	205	139	162	136	419	635	312	187	109	64	15
Grand	9,106	115	562	720	654	553	740	2,348	1,511	828	585	315	146	29
Gunnison	12,126	194	552	675	601	1,541	2,567	2,252	1,695	901	586	333	169	60
Hinsdale	355	7	21	19	16	24	26	71	67	37	21	29	15	2
Huerfano	6,929	62	377	590	487	406	405	1,144	998	618	627	624	438	153
Jackson	1,540	15	70	108	115	116	95	191	275	229	165	94	53	14
Jefferson	422,684	7,422	25,710	28,833	28,938	31,026	28,480	75,131	79,242	49,809	35,370	21,613	8,466	2,644
Kiowa	1,739	21	111	156	118	91	88	220	196	176	238	245	53	26
Kit Carson	7,634	98	476	653	606	505	466	1,151	1,069	756	721	630	388	115
Lake	5,978	59	370	568	525	377	304	1,123	1,015	666	517	298	143	13
La Plata	30,330	623	2,017	2,184	1,772	2,501	3,014	5,839	4,741	2,762	2,047	1,624	901	305
Larimer	179,746	3,367	11,016	12,559	10,610	16,651	22,355	32,005	27,244	15,897	11,411	9,214	5,523	1,894
Las Animas	14,284	152	796	1,129	1,015	875	969	2,340	1,805	1,203	1,312	1,403	971	314
Lincoln	4,634	94	348	363	253	233	293	733	542	487	466	460	264	98
Logan	19,059	227	1,141	1,574	1,341	1,173	1,363	3,363	2,541	1,811	1,840	1,490	876	319
Mesa	88,264	1,184	5,321	7,058	6,357	5,953	6,356	15,156	13,761	8,395	7,016	6,573	3,805	1,329
Mineral	608	9	28	35	41	51	35	57	115	101	52	62	21	1
Moffat	10,821	151	757	1,072	988	690	329	1,497	2,207	1,324	937	527	252	90
Montezuma	16,314	225	1,032	1,439	1,507	1,290	932	2,011	2,520	1,775	1,454	1,248	671	210
Montrose	25,976	289	1,493	2,196	1,925	1,707	1,664	4,001	4,001	2,874	2,222	2,009	1,242	353
Morgan	22,440	348	1,566	2,035	1,736	1,454	1,367	3,579	3,104	2,149	1,986	1,683	1,050	383
Otero	21,530	328	1,394	1,785	1,586	1,508	1,561	3,159	2,734	2,106	1,940	1,791	1,191	447
Ouray	1,938	23	107	157	140	132	110	237	377	229	164	164	85	13
Park	6,018	125	422	490	473	524	399	761	1,298	698	421	292	95	20
Phillips	4,469	43	238	356	343	279	252	613	625	440	404	420	329	127
Pitkin	13,575	178	643	640	659	838	1,449	4,505	2,246	1,366	599	313	116	23
Prowers	13,852	263	1,139	1,410	1,129	910	877	2,184	1,934	1,245	1,118	935	516	192
Pueblo	132,274	2,029	7,694	9,497	9,142	10,481	11,801	21,190	17,581	12,197	12,691	10,506	5,793	1,672
Rio Blanco	5,451	85	407	535	448	339	300	837	870	644	509	290	146	41
Rio Grande	11,419	190	831	1,062	900	760	686	1,849	1,620	1,093	924	816	512	176
Routt	14,473	188	895	1,138	1,038	859	1,042	4,022	2,534	1,377	699	409	201	71
Saguache	3,911	76	320	389	291	246	251	580	524	334	369	310	170	51
San Juan	744	13	65	85	65	41	32	131	154	70	51	31	5	1
San Miguel	4,126	57	234	316	326	351	364	1,200	636	323	147	102	54	16

Place	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Sedgwick	2,953	33	142	195	217	212	181	374	371	299	328	336	208	57
Summit	13,761	215	895	880	742	813	1,884	4,739	2,078	897	409	161	44	4
Teller	11,311	239	818	881	785	878	912	1,821	2,096	1,194	822	573	243	49
Washington	5,045	56	284	413	380	328	279	713	715	495	551	493	249	89
Weld	142,146	2,594	9,186	11,318	10,091	13,061	14,523	24,650	20,644	12,903	9,938	7,504	4,379	1,355
Yuma	9,703	116	593	863	783	651	560	1,383	1,377	974	893	783	523	204
Planning and Management Regions														
PMR 1	63,669	823	3,964	5,436	4,800	4,097	4,002	10,025	8,733	6,168	6,002	5,205	3,235	1,179
2	321,892	5,961	20,202	23,877	20,701	29,712	36,878	56,655	47,888	28,800	21,349	16,718	9,902	3,249
3	1,855,632	31,457	119,543	135,225	124,734	123,602	139,116	358,199	325,412	188,466	146,224	100,252	47,211	16,191
4	413,619	9,425	27,879	30,559	31,590	43,360	38,452	68,994	61,806	39,752	30,499	19,628	8,879	2,796
5	24,396	391	1,661	2,102	1,827	1,698	1,749	3,919	3,665	2,446	1,973	1,665	991	309
6	51,535	789	3,451	4,436	3,771	3,398	3,519	8,023	6,817	4,858	4,740	4,263	2,531	939
7	132,274	2,029	7,694	9,497	9,142	10,481	11,801	21,190	17,581	12,197	12,691	10,506	5,793	1,672
8	40,379	720	3,007	3,836	3,145	2,978	2,898	6,611	5,562	3,639	3,193	2,723	1,568	499
9	53,990	976	3,584	4,301	3,878	4,340	4,446	8,932	8,386	5,273	4,197	3,377	1,742	558
10	66,782	850	3,544	4,947	4,625	5,530	6,382	10,578	9,784	6,509	4,969	5,000	3,133	931
11	130,781	1,885	8,349	10,875	9,672	8,684	8,708	22,281	21,601	12,925	10,132	8,792	5,110	1,767
12	72,514	1,116	4,594	4,947	4,332	4,415	7,728	22,098	11,630	6,054	3,140	1,621	673	166
13	50,269	705	2,698	3,383	3,249	3,757	4,213	8,210	6,775	4,698	4,205	4,270	3,154	952
14	21,213	214	1,173	1,719	1,502	1,281	1,374	3,484	2,803	1,821	1,939	2,027	1,409	467
Metro/Non-Metro														
Denver PMSA	1,624,920	27,714	105,882	120,083	110,827	105,892	112,946	312,997	284,883	165,458	131,573	90,531	41,875	14,259
Denver CMSA	1,845,604	31,258	118,779	134,323	124,017	122,994	138,697	356,575	323,045	187,352	145,550	99,854	47,026	16,134
Total Metro	2,696,060	48,309	173,314	196,885	184,192	205,145	224,517	500,832	446,926	266,209	208,846	145,841	71,262	23,782
Non-Metro	602,885	9,032	38,029	48,255	42,776	42,188	46,749	108,367	91,517	57,397	46,407	40,206	24,069	7,893
Five-Region Substate Groups														
Front Range	2,696,060	48,309	173,314	196,885	184,192	205,145	224,517	500,832	446,926	266,209	208,846	145,841	71,262	23,782
West Slope	324,067	4,827	20,071	25,070	22,507	22,969	27,264	63,889	51,401	30,761	22,438	18,790	10,658	3,422
East Plains	139,600	2,003	9,076	11,974	10,398	9,193	9,270	21,967	19,215	13,472	12,715	11,133	6,757	2,427
San Luis Val	40,379	720	3,007	3,836	3,145	2,978	2,898	6,611	5,562	3,639	3,193	2,723	1,568	499
Eastern Mtns	98,839	1,482	5,875	7,375	6,726	7,048	7,317	15,900	15,339	9,525	8,061	7,560	5,086	1,545
Population-Based Regions														
1 Denver	501,975	7,713	32,245	35,716	29,082	27,513	45,130	99,877	75,734	41,551	44,037	35,548	20,122	7,707
2 Jefferson	422,684	7,422	25,710	28,833	28,938	31,026	28,480	75,131	79,242	49,809	35,370	21,613	8,466	2,644
3 Boulder	220,684	3,544	12,897	14,240	13,190	17,102	25,751	43,578	38,162	21,894	13,977	9,323	5,151	1,875
4 Adams	269,557	5,058	19,576	22,738	20,667	18,796	17,496	51,333	43,337	27,036	22,108	13,850	5,957	1,605
5 Arapahoe	384,091	6,590	24,870	29,157	28,440	25,200	17,970	76,214	78,333	42,287	27,881	18,206	6,815	2,128
6 El Paso	396,290	9,061	26,639	29,188	30,332	41,958	37,141	66,412	58,412	37,860	29,256	18,763	8,541	2,727
7 Larimer	179,746	3,367	11,016	12,559	10,610	16,651	22,355	32,005	27,244	15,897	11,411	9,214	5,523	1,894
8 Pueblo	132,274	2,029	7,694	9,497	9,142	10,481	11,801	21,190	17,581	12,197	12,691	10,506	5,793	1,672
9 Weld	142,146	2,594	9,186	11,318	10,091	13,061	14,523	24,650	20,644	12,903	9,938	7,504	4,379	1,355
10 Northwest	130,781	1,885	8,349	10,875	9,672	8,684	8,708	22,281	21,601	12,925	10,132	8,792	5,110	1,767
11 Western	139,296	1,966	8,138	9,894	8,957	9,945	14,110	32,676	21,414	12,563	8,109	6,621	3,806	1,097
12 Eastern	139,600	2,003	9,076	11,974	10,398	9,193	9,270	21,967	19,215	13,472	12,715	11,133	6,757	2,427
13 Central	124,239	2,199	8,183	9,295	8,924	9,124	9,813	22,858	20,773	12,479	8,299	6,847	4,192	1,253
14 Southern	115,582	1,910	7,764	9,856	8,525	8,599	8,718	19,027	16,751	10,733	9,329	8,127	4,719	1,524

Population figures are 1988-based preliminary estimates from the Demographic Section, Colorado Department of Local Affairs.
See inside back cover for descriptions of regions.

Table 12. Male Population by Age Group by County and Region: Colorado, 1988

Place	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Colorado	1,641,402	29,555	108,331	125,446	116,755	127,856	139,376	310,319	271,846	161,179	121,779	83,403	36,467	9,090
Adams	132,931	2,596	9,960	11,625	10,629	9,630	8,285	25,174	21,768	13,267	10,714	6,459	2,372	452
Alamosa	6,319	128	506	626	500	525	568	1,107	935	521	405	298	162	38
Arapahoe	191,142	3,434	12,783	14,967	14,476	12,973	8,828	37,914	39,542	21,332	13,342	8,340	2,619	592
Archuleta	2,494	44	184	240	213	204	189	343	375	248	226	173	48	7
Baca	2,245	35	138	169	162	157	148	348	298	211	219	212	118	30
Bent	2,773	24	132	214	227	215	185	358	366	283	346	264	129	30
Boulder	111,635	1,789	6,637	7,302	6,724	8,721	13,840	22,606	19,570	11,075	6,865	4,146	1,889	471
Chaffee	6,158	101	344	399	368	543	751	1,076	748	598	474	457	255	44
Cheyenne	1,196	23	98	123	90	73	68	211	183	91	92	87	50	7
Clear Creek	3,846	70	284	346	283	231	153	639	969	427	254	128	45	17
Conejos	4,003	63	302	415	368	319	300	670	489	343	318	251	129	36
Costilla	1,677	29	125	156	109	102	116	301	242	154	117	135	71	20
Crowley	2,540	22	123	166	115	118	240	756	405	193	137	154	84	27
Custer	1,010	5	64	115	76	43	51	222	191	83	69	58	31	2
Delta	10,916	132	566	827	856	929	872	1,438	1,482	1,082	834	1,069	675	154
Denver	242,665	3,964	16,491	18,172	14,710	13,881	22,787	49,950	38,342	20,468	20,057	14,880	6,965	1,998
Dolores	774	14	56	68	56	50	52	126	101	84	73	60	31	3
Douglas	23,942	457	1,788	1,919	1,882	1,651	1,999	5,656	4,186	2,408	1,113	609	222	52
Eagle	10,975	199	792	782	608	660	1,427	3,621	1,580	721	361	170	45	9
Elbert	4,919	78	325	429	417	440	455	817	822	548	284	180	98	26
El Paso	200,419	4,905	13,656	14,697	16,202	23,421	19,865	34,886	28,797	18,196	13,622	8,286	3,135	751
Fremont	15,227	221	789	937	946	1,202	1,476	2,709	2,034	1,340	1,185	1,268	873	247
Garfield	13,243	248	962	1,110	961	891	892	2,438	2,512	1,340	834	620	343	92
Gilpin	1,389	33	105	107	64	86	87	218	350	159	102	50	24	4
Grand	4,720	59	286	367	327	274	358	1,309	782	426	304	156	66	6
Gunnison	6,581	99	284	335	305	843	1,544	1,229	928	465	300	167	68	14
Hinsdale	185	3	9	10	10	14	15	36	35	20	9	17	7	0
Huerfano	3,391	33	191	299	249	217	228	601	514	288	276	266	180	49
Jackson	755	7	33	51	58	59	51	86	133	121	88	44	21	3
Jefferson	210,553	3,803	13,141	14,755	14,692	15,804	14,376	38,064	39,696	24,941	17,386	9,990	3,174	731
Kiowa	843	10	54	79	63	44	39	114	106	103	85	112	30	4
Kit Carson	3,753	46	241	343	315	249	229	589	534	369	347	286	164	41
Lake	3,021	24	180	285	272	170	138	579	551	344	273	144	55	6
La Plata	15,268	313	1,029	1,123	906	1,288	1,624	2,937	2,457	1,392	995	747	371	86
Larimer	89,132	1,701	5,719	6,413	5,361	8,169	11,609	16,167	13,833	7,982	5,434	4,038	2,131	575
Las Animas	6,881	68	399	589	519	425	501	1,230	914	557	586	616	384	93
Lincoln	2,246	44	176	196	133	116	153	382	265	236	212	205	103	25
Logan	9,312	101	567	829	731	603	663	1,711	1,272	858	866	691	321	99
Mesa	43,449	618	2,742	3,633	3,276	3,082	3,191	7,631	6,922	4,219	3,308	2,936	1,474	417
Mineral	295	3	12	18	21	23	12	35	57	55	31	20	8	0
Moffat	5,390	74	380	543	510	341	137	692	1,148	703	482	266	89	25
Montezuma	7,917	120	525	717	765	661	448	980	1,221	891	695	568	273	53
Montrose	12,850	146	757	1,109	1,004	896	892	2,028	1,983	1,420	1,062	913	538	102
Morgan	11,024	167	784	1,058	940	774	681	1,798	1,526	1,043	948	757	418	130
Otero	10,382	158	695	922	835	787	783	1,579	1,311	1,038	904	775	463	132
Ouray	929	13	54	75	71	69	58	107	183	120	66	81	29	3
Park	3,047	64	215	252	237	272	213	361	657	377	210	139	48	2
Phillips	2,160	23	123	181	177	146	130	313	308	216	188	189	129	37
Pitkin	7,189	94	330	326	340	441	746	2,459	1,174	758	310	161	42	8
Prowers	6,718	127	575	729	598	468	437	1,095	944	587	507	399	200	52
Pueblo	64,251	1,062	3,961	4,831	4,593	5,313	5,937	10,405	8,867	5,813	6,005	4,699	2,282	483
Rio Blanco	2,723	43	202	265	223	170	156	438	450	314	265	139	48	10
Rio Grande	5,629	95	420	541	468	391	351	946	815	516	422	383	225	56
Routt	7,648	85	452	612	564	455	557	2,218	1,305	761	354	200	70	15
Saguache	1,946	39	164	201	156	133	126	304	265	168	170	140	62	18
San Juan	378	5	29	45	36	24	15	61	81	42	24	15	1	0
San Miguel	2,215	31	118	157	174	201	205	660	337	182	82	44	22	2

Place	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Sedgwick	1,415	16	73	101	105	98	90	191	188	137	156	156	88	16
Summit	7,571	117	470	444	373	432	1,031	2,762	1,124	500	216	88	14	0
Teller	5,676	126	420	453	398	469	478	868	1,046	624	405	272	106	11
Washington	2,511	32	143	202	197	185	151	363	370	232	262	237	106	31
Weld	69,757	1,288	4,761	5,857	5,162	6,212	6,960	12,417	10,327	6,430	4,812	3,366	1,740	425
Yuma	4,732	56	297	435	406	335	288	710	672	484	413	352	221	63
Planning and Management Regions														
PMR 1	31,154	395	1,987	2,806	2,556	2,141	2,003	5,086	4,336	2,970	2,833	2,382	1,283	376
2	158,889	2,989	10,480	12,270	10,523	14,381	18,569	28,584	24,160	14,412	10,246	7,404	3,871	1,000
3	918,103	16,146	61,189	69,193	63,460	62,977	70,355	180,221	164,423	94,077	69,833	44,602	17,310	4,317
4	209,142	5,095	14,291	15,402	16,837	24,162	20,556	36,115	30,500	19,197	14,237	8,697	3,289	764
5	12,114	191	840	1,091	955	878	905	1,999	1,804	1,244	935	758	415	99
6	25,501	376	1,717	2,279	2,000	1,789	1,832	4,250	3,430	2,415	2,198	1,916	1,024	275
7	64,251	1,062	3,961	4,831	4,593	5,313	5,937	10,405	8,867	5,813	6,005	4,699	2,282	483
8	19,869	357	1,529	1,957	1,622	1,493	1,473	3,363	2,803	1,757	1,463	1,227	657	168
9	26,831	496	1,823	2,193	1,976	2,227	2,328	4,447	4,235	2,657	2,013	1,563	724	149
10	33,676	424	1,788	2,513	2,420	2,952	3,586	5,498	4,948	3,289	2,353	2,291	1,339	275
11	64,805	983	4,286	5,551	4,970	4,484	4,376	11,199	11,032	6,576	4,889	3,961	1,954	544
12	38,858	561	2,363	2,582	2,270	2,321	4,170	12,455	6,098	3,287	1,633	819	258	41
13	25,416	351	1,377	1,736	1,662	1,958	2,416	4,586	3,524	2,365	2,001	1,927	1,214	299
14	10,272	101	590	888	768	642	729	1,831	1,428	845	862	882	564	142
Metro/Non-Metro														
Denver PMSA	801,233	14,254	54,163	61,438	56,389	53,939	56,275	156,758	143,534	82,416	62,612	40,278	15,352	3,825
Denver CMSA	912,868	16,043	60,800	68,740	63,113	62,660	70,115	179,364	163,104	93,491	69,477	44,424	17,241	4,296
Total Metro	1,336,427	24,999	88,897	100,538	94,431	105,775	114,486	253,239	224,928	131,912	99,350	64,813	26,529	6,530
Non-Metro	302,454	4,528	19,324	24,754	22,181	21,943	24,749	56,800	46,660	28,992	22,151	18,315	9,655	2,402
Five-Region Substate Groups														
Front Range	1,336,427	24,999	88,897	100,538	94,431	105,775	114,486	253,239	224,928	131,912	99,350	64,813	26,529	6,530
West Slope	164,170	2,464	10,260	12,839	11,636	11,984	14,460	33,599	26,313	15,809	10,888	8,634	4,275	1,009
East Plains	68,769	962	4,544	6,176	5,511	4,808	4,740	11,335	9,570	6,629	5,966	5,056	2,722	750
San Luis Val	19,869	357	1,529	1,957	1,622	1,493	1,473	3,363	2,803	1,757	1,463	1,227	657	168
Eastern Mtns	49,646	745	2,991	3,782	3,412	3,658	4,076	8,503	7,974	4,797	3,834	3,398	2,001	475
Population-Based Regions														
1 Denver	242,665	3,964	16,491	18,172	14,710	13,881	22,787	49,950	38,342	20,468	20,057	14,880	6,965	1,998
2 Jefferson	210,553	3,803	13,141	14,755	14,692	15,804	14,376	38,064	39,696	24,941	17,386	9,990	3,174	731
3 Boulder	111,635	1,789	6,637	7,302	6,724	8,721	13,840	22,606	19,570	11,075	6,865	4,146	1,889	471
4 Adams	132,931	2,596	9,960	11,625	10,629	9,630	8,285	25,174	21,768	13,267	10,714	6,459	2,372	452
5 Arapahoe	191,142	3,434	12,783	14,967	14,476	12,973	8,828	37,914	39,542	21,332	13,342	8,340	2,619	592
6 El Paso	200,419	4,905	13,656	14,697	16,202	23,421	19,865	34,886	28,797	18,196	13,622	8,286	3,135	751
7 Larimer	89,132	1,701	5,719	6,413	5,361	8,169	11,609	16,167	13,833	7,982	5,434	4,038	2,131	575
8 Pueblo	64,251	1,062	3,961	4,831	4,593	5,313	5,937	10,405	8,867	5,813	6,005	4,699	2,282	483
9 Weld	69,757	1,288	4,761	5,857	5,162	6,212	6,960	12,417	10,327	6,430	4,812	3,366	1,740	425
10 Northwest	64,805	983	4,286	5,551	4,970	4,484	4,376	11,199	11,032	6,576	4,889	3,961	1,954	544
11 Western	72,534	985	4,151	5,095	4,690	5,273	7,756	17,953	11,046	6,576	3,986	3,110	1,597	316
12 Eastern	68,769	962	4,544	6,176	5,511	4,808	4,740	11,335	9,570	6,629	5,966	5,056	2,722	750
13 Central	63,316	1,101	4,189	4,813	4,526	4,667	5,346	12,328	10,732	6,360	4,085	3,125	1,659	385
14 Southern	56,972	954	3,942	5,038	4,366	4,362	4,530	9,641	8,466	5,259	4,338	3,672	1,945	459

Population figures are 1988-based preliminary estimates from the Demographic Section, Colorado Department of Local Affairs.
See inside back cover for descriptions of regions.

Table 13. Female Population by Age Group by County and Region: Colorado, 1988

Place	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Colorado	1,660,026	27,816	103,115	119,829	110,348	119,606	132,030	299,150	266,864	162,708	133,738	102,929	59,140	22,753
Adams	136,582	2,462	9,615	11,110	10,035	9,164	9,209	26,155	21,564	13,767	11,387	7,385	3,579	1,150
Alamosa	6,500	130	470	587	480	564	510	1,073	943	553	481	401	229	79
Arapahoe	192,908	3,156	12,085	14,188	13,962	12,224	9,141	38,297	38,784	20,950	14,533	9,863	4,190	1,535
Archuleta	2,471	45	173	211	199	196	170	364	381	247	256	163	49	17
Baca	2,321	35	144	178	147	135	140	306	295	219	249	247	162	64
Bent	2,654	30	146	208	189	178	175	375	354	259	289	240	147	64
Boulder	109,002	1,754	6,258	6,935	6,463	8,378	11,908	20,967	18,590	10,813	7,108	5,170	3,256	1,402
Chaffee	5,844	94	310	366	379	485	481	802	815	547	503	530	405	127
Cheyenne	1,211	20	99	133	89	56	57	199	161	92	128	94	64	19
Clear Creek	3,500	64	277	348	294	213	128	564	761	368	230	158	72	23
Conejos	4,127	68	311	416	333	299	307	660	484	364	367	280	184	54
Costilla	1,693	24	110	144	113	104	118	301	200	165	149	155	76	34
Crowley	1,771	28	120	142	92	80	101	304	222	151	191	167	122	51
Custer	987	9	61	97	70	45	33	196	162	93	103	58	52	8
Delta	11,319	148	571	756	760	844	779	1,374	1,523	1,062	991	1,289	891	331
Denver	259,267	3,748	15,751	17,543	14,370	13,630	22,341	49,923	37,387	21,078	23,973	20,663	13,153	5,707
Dolores	781	12	53	70	61	52	50	110	105	81	80	70	28	9
Douglas	22,628	473	1,692	1,717	1,815	1,703	1,870	4,778	4,049	2,363	1,059	700	288	121
Eagle	9,041	206	736	676	515	574	1,090	2,669	1,399	628	318	153	63	14
Elbert	4,736	78	311	396	367	389	406	799	882	466	274	205	119	44
El Paso	195,827	4,155	12,982	14,489	14,129	18,533	17,273	31,524	29,610	19,656	15,630	10,472	5,401	1,973
Fremont	14,951	213	750	895	879	1,054	1,110	2,076	1,796	1,361	1,343	1,588	1,384	502
Garfield	12,968	217	901	1,096	917	810	831	2,350	2,247	1,219	831	777	560	212
Gilpin	1,219	30	96	95	73	75	48	195	280	145	79	58	35	10
Grand	4,346	56	274	351	326	278	380	1,034	725	397	275	157	76	17
Gunnison	5,499	95	267	337	292	695	1,020	1,017	763	431	281	160	97	44
Hinsdale	137	4	9	7	5	9	10	28	26	15	10	10	2	2
Huerfano	3,499	29	183	289	236	188	176	538	479	324	348	356	253	100
Jackson	739	7	36	54	55	53	40	103	137	102	70	47	28	7
Jefferson	212,089	3,619	12,565	14,076	14,244	15,218	14,100	37,063	39,541	24,866	17,980	11,617	5,288	1,912
Kiowa	857	11	54	76	52	45	45	102	84	68	150	131	18	21
Kit Carson	3,838	52	233	307	289	254	235	555	530	381	370	340	220	72
Lake	2,914	35	188	280	250	203	165	541	459	317	238	149	82	7
La Plata	15,019	309	987	1,057	864	1,212	1,386	2,898	2,277	1,367	1,048	873	526	215
Larimer	90,567	1,665	5,297	6,144	5,247	8,478	10,743	15,834	13,409	7,907	5,970	5,172	3,386	1,315
Las Animas	7,362	84	395	539	494	446	465	1,106	885	645	721	783	581	218
Lincoln	2,346	49	169	165	117	114	138	345	274	248	250	248	158	71
Logan	9,704	126	573	742	609	568	696	1,644	1,264	951	968	796	550	217
Mesa	44,777	566	2,577	3,423	3,079	2,869	3,161	7,522	6,835	4,172	3,704	3,634	2,326	909
Mineral	271	6	14	15	17	25	22	18	53	40	16	35	9	1
Moffat	5,393	77	375	528	475	347	189	802	1,055	619	449	254	159	64
Montezuma	8,356	105	506	721	741	627	482	1,024	1,296	878	753	675	393	155
Montrose	13,077	142	734	1,083	918	808	770	1,969	2,015	1,449	1,156	1,090	697	246
Morgan	11,376	181	780	974	793	680	683	1,779	1,572	1,100	1,034	922	629	249
Otero	11,110	169	698	861	749	719	777	1,574	1,419	1,064	1,032	1,010	726	312
Ouray	966	10	51	78	66	59	51	128	188	106	92	80	51	6
Park	2,931	60	204	235	233	247	185	397	637	318	205	151	43	16
Phillips	2,263	19	113	173	164	131	119	294	311	221	210	226	197	85
Pitkin	6,339	84	311	313	315	394	701	2,040	1,068	602	284	147	68	12
Prowers	7,086	135	563	678	530	441	438	1,081	985	653	605	530	310	137
Pueblo	67,986	966	3,730	4,662	4,547	5,166	5,861	10,781	8,713	6,380	6,681	5,804	3,509	1,186
Rio Blanco	2,676	42	202	268	222	166	142	391	414	325	235	147	93	29
Rio Grande	5,748	95	409	518	431	365	332	897	803	574	497	431	279	117
Routt	6,788	103	440	522	473	404	483	1,800	1,225	613	339	208	124	54
Saguache	1,929	37	154	185	134	112	124	273	253	162	195	165	105	30
San Juan	330	8	34	38	24	16	16	66	70	22	24	12	0	0
San Miguel	1,865	26	114	155	149	148	157	534	298	134	60	54	26	10

Place	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Sedgwick	1,500	16	66	92	111	112	91	176	178	158	170	177	114	39
Summit	6,150	98	425	435	366	377	852	1,971	950	395	189	67	24	1
Teller	5,595	113	396	424	383	407	432	947	1,047	569	412	299	131	35
Washington	2,491	24	138	208	182	142	125	344	340	258	285	252	137	56
Weld	72,345	1,305	4,424	5,460	4,927	6,846	7,560	12,227	10,313	6,468	5,121	4,133	2,634	927
Yuma	4,934	59	296	424	376	314	270	670	700	487	477	427	297	137
Planning and Management Regions														
PMR 1	32,268	425	1,966	2,613	2,235	1,947	1,984	4,907	4,365	3,175	3,144	2,800	1,924	783
2	162,912	2,970	9,721	11,604	10,174	15,324	18,303	28,061	23,722	14,375	11,091	9,305	6,020	2,242
3	937,195	15,306	58,339	66,012	61,256	60,605	68,745	177,942	160,956	94,350	76,349	55,614	29,861	11,860
4	204,353	4,328	13,582	15,148	14,745	19,187	17,890	32,868	31,294	20,543	16,247	10,922	5,575	2,024
5	12,131	199	812	1,001	862	813	836	1,898	1,847	1,187	1,022	887	561	206
6	25,799	408	1,725	2,143	1,759	1,598	1,676	3,742	3,359	2,414	2,516	2,325	1,485	649
7	67,986	966	3,730	4,662	4,547	5,166	5,861	10,781	8,713	6,380	6,681	5,804	3,509	1,186
8	20,268	360	1,468	1,865	1,508	1,469	1,413	3,222	2,736	1,858	1,705	1,467	882	315
9	26,957	479	1,753	2,097	1,889	2,103	2,104	4,462	4,129	2,595	2,161	1,793	996	396
10	32,863	425	1,746	2,416	2,190	2,563	2,787	5,050	4,813	3,197	2,590	2,683	1,764	639
11	65,814	902	4,055	5,315	4,693	4,192	4,323	11,065	10,551	6,335	5,219	4,812	3,138	1,214
12	33,403	554	2,222	2,351	2,050	2,080	3,546	9,617	5,504	2,737	1,475	779	383	105
13	24,696	351	1,309	1,638	1,578	1,787	1,789	3,615	3,232	2,318	2,187	2,325	1,923	644
14	10,861	113	578	828	730	634	641	1,644	1,364	969	1,069	1,139	834	318
Metro/Non-Metro														
Denver PMSA	823,474	13,458	51,708	58,634	54,426	51,939	56,661	156,216	141,325	83,024	68,932	50,228	26,498	10,425
Denver CMSA	932,476	15,212	57,966	65,569	60,889	60,317	68,569	177,183	159,915	93,837	76,040	55,398	29,754	11,827
Total Metro	1,359,201	23,303	84,399	96,324	89,739	99,340	110,006	247,549	221,960	134,248	109,442	80,979	44,684	17,228
Non-Metro	298,305	4,483	18,607	23,369	20,477	20,128	21,892	51,325	44,625	28,185	24,014	21,676	14,171	5,353
Five-Region Substate Groups														
Front Range	1,359,201	23,303	84,399	96,324	89,739	99,340	110,006	247,549	221,960	134,248	109,442	80,979	44,684	17,228
West Slope	159,037	2,360	9,776	12,179	10,822	10,938	12,760	30,194	24,997	14,864	11,445	10,067	6,281	2,354
East Plains	70,198	1,032	4,503	5,757	4,856	4,358	4,496	10,547	9,571	6,776	6,682	6,012	3,970	1,638
San Luis Val	20,268	360	1,468	1,865	1,508	1,469	1,413	3,222	2,736	1,858	1,705	1,467	882	315
Eastern Mtns	48,802	731	2,860	3,568	3,291	3,363	3,223	7,362	7,321	4,687	4,182	4,130	3,038	1,046
Population-Based Regions														
1 Denver	259,267	3,748	15,751	17,543	14,370	13,630	22,341	49,923	37,387	21,078	23,973	20,663	13,153	5,707
2 Jefferson	212,089	3,619	12,565	14,076	14,244	15,218	14,100	37,063	39,541	24,866	17,980	11,617	5,288	1,912
3 Boulder	109,002	1,754	6,258	6,935	6,463	8,378	11,908	20,967	18,590	10,813	7,108	5,170	3,256	1,402
4 Adams	136,582	2,462	9,615	11,110	10,035	9,164	9,209	26,155	21,564	13,767	11,387	7,385	3,579	1,150
5 Arapahoe	192,908	3,156	12,085	14,188	13,962	12,224	9,141	38,297	38,784	20,950	14,533	9,863	4,190	1,535
6 El Paso	195,827	4,155	12,982	14,489	14,129	18,533	17,273	31,524	29,610	19,656	15,630	10,472	5,401	1,973
7 Larimer	90,567	1,665	5,297	6,144	5,247	8,478	10,743	15,834	13,409	7,907	5,970	5,172	3,386	1,315
8 Pueblo	67,986	966	3,730	4,662	4,547	5,166	5,861	10,781	8,713	6,380	6,681	5,804	3,509	1,186
9 Weld	72,345	1,305	4,424	5,460	4,927	6,846	7,560	12,227	10,313	6,468	5,121	4,133	2,634	927
10 Northwest	65,814	902	4,055	5,315	4,693	4,192	4,323	11,065	10,551	6,335	5,219	4,812	3,138	1,214
11 Western	66,266	979	3,968	4,767	4,240	4,643	6,333	14,667	10,317	5,934	4,065	3,462	2,147	744
12 Eastern	70,198	1,032	4,503	5,757	4,856	4,358	4,496	10,547	9,571	6,776	6,682	6,012	3,970	1,638
13 Central	60,569	1,091	3,974	4,457	4,376	4,432	4,452	10,496	10,006	6,081	4,172	3,691	2,492	849
14 Southern	58,086	952	3,799	4,790	4,127	4,206	4,158	9,328	8,229	5,422	4,935	4,399	2,712	1,029

Population figures are 1988-based preliminary estimates from the Demographic Section, Colorado Department of Local Affairs.
See inside back cover for descriptions of regions.

Part Three. Live Births

Number of Live Births

Colorado resident live births totaled 53,346 in 1988, 457 fewer than the 53,803 births in 1987 and 1,796 fewer than the record high of 55,142 in 1986.

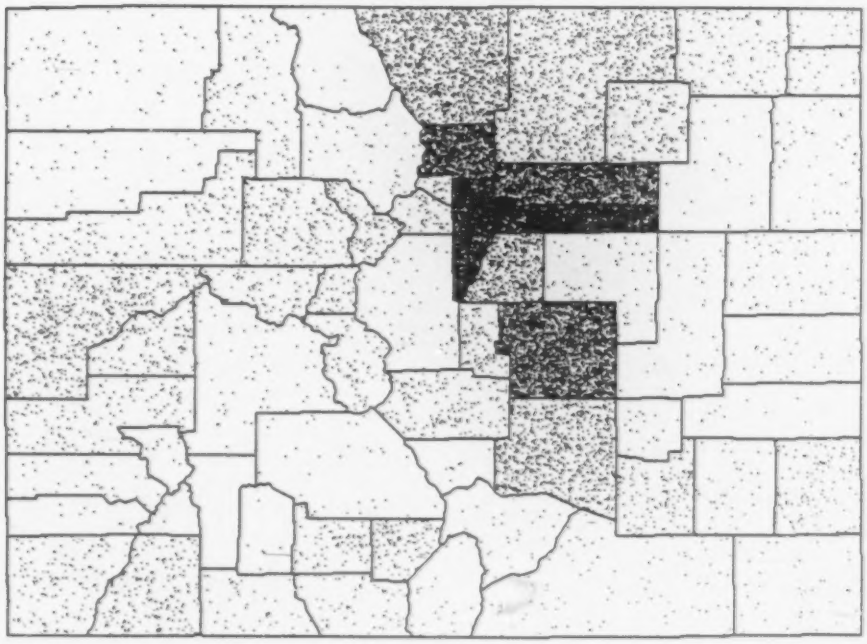
Of total births to Colorado resident women in 1988, 52,996 (99.3 percent) occurred in Colorado and 350 (0.7 percent) occurred out of the state. A total of 53,518 live births occurred in Colorado in 1988, of which 522 were to residents of other states. Figure 5 shows the distribution of Colorado resident live births by county in 1988.

Birth Rates

The birth rate in Colorado was 16.2 births per 1,000 resident population in 1988. Birth rates in the state have been decreasing steadily since 1982, when the birth rate reached a twelve-year high of 17.8. The birth rate dropped to 17.4 in 1983 and 17.0 in 1984. The birth rate was 17.1 in 1985. The decline in birth rates continued in 1986 when the rate slipped to 16.9. The rate again decreased to 16.3 in 1987.

Table 14 compares numbers of live births and birth rates in Colorado to U.S. data for selected years between 1910 and 1988. Despite continuing decreases, the Colorado birth rate continued to exceed the national rate, estimated to be 15.9 in 1988. Figure 6 illustrates birth rates for Colorado and the United States since 1960.

Figure 5. Number of Live Births by County: Colorado Residents, 1988



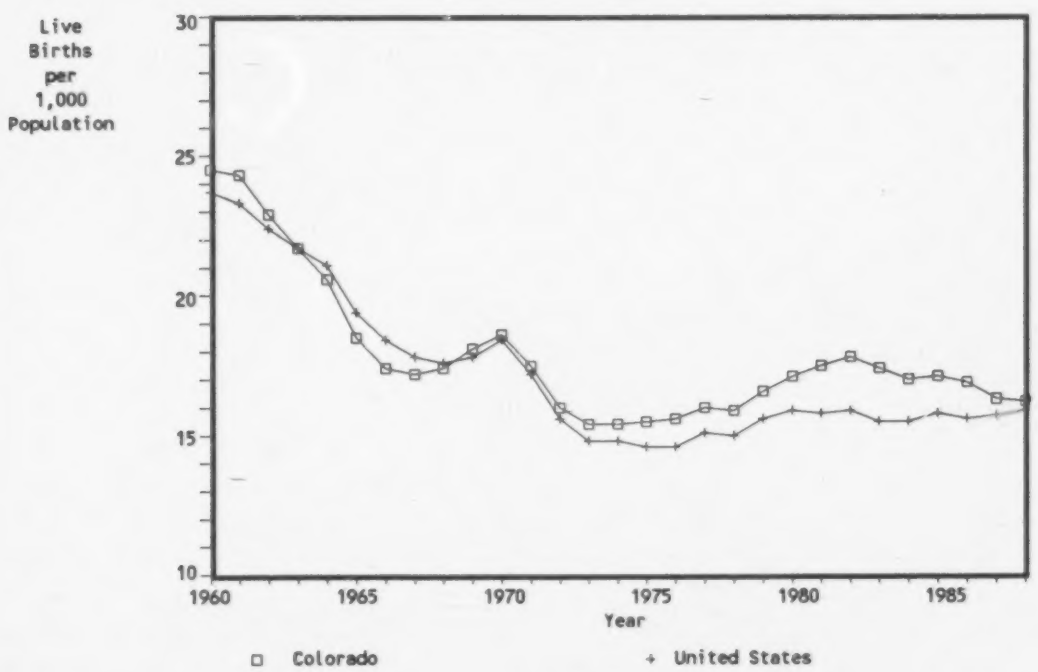
Number of Live Births
1 Dot = 2

Table 14. Live Births and Birth Rates: Colorado Residents and United States, Selected Years, 1910-1988

Year	Colorado Population	Live Births			Year	Colorado Population	Live Births		
		Colorado					Colorado		
		Number	Rate	U.S. Rate			Number	Rate	U.S. Rate
1910	799,024	12,164	15.2	-	1970	2,228,340	41,480	18.6	18.4
					1971	2,303,608	40,360	17.5	17.2
1920	939,629	18,676	19.9	23.7	1972	2,404,715	38,585	16.0	15.6
					1973	2,495,942	38,507	15.4	14.8
1930	1,035,791	18,878	18.2	18.9	1974	2,541,424	39,036	15.4	14.8
					1975	2,586,243	40,148	15.5	14.6
1940	1,123,296	21,416	19.1	17.9	1976	2,632,370	40,978	15.6	14.6
					1977	2,696,179	43,056	16.0	15.1
1950	1,325,089	33,853	25.5	23.6	1978	2,766,843	44,063	15.9	15.0
					1979	2,849,298	47,179	16.6	15.6
1960	1,753,947	42,905	24.5	23.7					
1961	1,840,000	44,648	24.3	23.3	1980	2,908,277	49,716	17.1	15.9
1962	1,900,000	43,594	22.9	22.4	1981	2,983,997	52,104	17.5	15.8
1963	1,940,000	42,179	21.7	21.7	1982	3,071,710	54,786	17.8	15.9
1964	1,970,000	40,537	20.6	21.1	1983	3,148,360	54,644	17.4	[illegible]
1965	1,990,000	36,851	18.5	19.4	1984	3,189,378	54,339	17.0	[illegible]
1966	2,010,000	34,899	17.4	18.4	1985	3,232,494	55,115	17.1	15.8
1967	2,050,000	35,166	17.2	17.8	1986	3,265,337	55,142	16.9	15.6
1968	2,120,000	36,842	17.4	17.6	1987	3,293,174	53,803	16.3	15.7
1969	2,170,000	39,189	18.1	17.8	1988	3,301,467	53,346	16.2	15.9

Birth rates are per 1,000 population. Populations for years before 1961 are April 1 census counts. Populations for 1961 and later years are midyear estimates. Population figures for 1980-88 are 1988-based preliminary estimates and projections from the Demographic Section, Colorado Department of Local Affairs. U.S. data are from the National Center for Health Statistics and are provisional for 1987 and 1988.

Figure 6. Birth Rates: Colorado Residents and United States, 1960-1988



Sex of Child

Of the total 53,346 Colorado resident live births in 1988, 27,154 (50.9 percent) were male and 26,192 (49.1 percent) were female. The sex ratio for Colorado births was 1,037 males per 1,000 females in 1988. In 1987, the sex ratio for U.S. births was 1,058 males to 1,000 females. A higher proportion of male births is characteristic among all races. In Colorado in 1988, 50.3 percent of black births, 51.0 percent of Spanish origin births, and 51.0 percent of Anglo (non-Spanish surname) white births were male.

Place of Delivery/Certifier Type

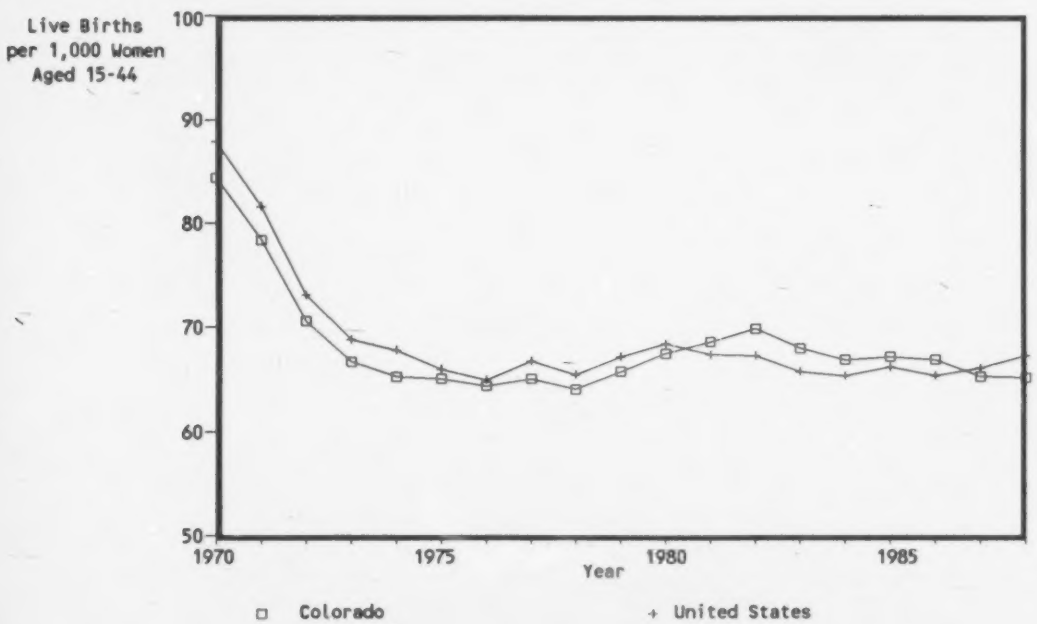
In 1988, 98.7 percent of the 53,518 babies born in Colorado were delivered in hospitals, compared with 99.0 percent for the United States each year between 1984 and 1986. Hospital births totaled 52,823 in Colorado in 1988. A total of 440 live births (0.8 percent of total live births) occurred at home or at a place with a street address not belonging to a medical facility. Free-standing birth centers, clinics and other named places accounted for the remaining 255 births.

Physicians certified 50,891 of the live births that occurred in hospitals in Colorado in 1988. Physicians certified 297 births in Colorado that occurred elsewhere than in hospitals. A total of 1,585 live births (3.0 percent of total) was certified by certified nurse midwives, as compared with 1,132 in 1987, 1,032 in 1986 and 799 in 1985. The remaining 745 births were classified as being certified by "others," a category which includes hospital administrators, fathers and other individuals. While a considerable majority of births are certified by the attendant at the birth, certifiers are not required to have attended at the birth.

General Fertility Rate

In 1988, the general fertility rate in Colorado was 65.2 live births per 1,000 women aged 15-44. This rate was the lowest for the state since a rate of 64.1 in 1978. The provisional U.S. general fertility rate was 67.3 in 1988. Figure 7 compares Colorado and U.S. general fertility rates between 1970 and 1988. Recent decreases in the general fertility rate are associated with an aging childbearing population and a trend toward women delaying pregnancy until later in life.

Figure 7. General Fertility Rates: Colorado Residents and United States, 1970-1988



Births by Race

White births accounted for 48,213 (90.4 percent) of the total 53,346 Colorado resident live births in 1988. Spanish surname white births totaled 8,030 (15.1 percent of total births), higher than the total of 14.5 percent in 1987. Anglo (non-Spanish surname) white births totaled 40,183 (75.3 percent).

Among non-whites, there were 3,160 black births (5.9 percent), 1,340 Asian births (2.5 percent) and 528 Native American births (1.0 percent) to Colorado residents in 1988.

Vital rates also can be estimated by the ethnic origin categories appearing on the birth certificate. The resulting statistics are more comparable to those in available population projections. When birth and fertility rates are compared by race and ethnicity among the three most populous groups in the state, white (for the purposes of these birth data, white race/non-Spanish surname births), Hispanic (white, Spanish surname) and black, there are considerable differences.

Blacks had the highest birth rates among the three race/ethnic groups described above in 1988, with a rate of 25.2 live births per 1,000 population. The birth rate for Hispanics was 19.3, and the birth rate for whites was 14.9. Because whites account for over 80 percent of the Colorado population, the state's overall birth rate of 16.2 reflects substantially lower rates among the white residents.

Differences in childbearing patterns among the race/ethnic groups also are reflected in general fertility rates. In 1988, the general fertility rate for blacks was 101.8 births per 1,000 women aged 15-44. The general fertility rate for Hispanics was 78.5; the rate for whites was 59.9.

Age of Mother

The median age of Colorado resident women who had babies in 1988 was 27.0 years, up from 26.9 years in 1987 and 26.7 years in 1986. The increasing median age of mothers reflects not only the aging of Colorado's female population but also a general trend toward later childbearing throughout the 1980s. Age-specific fertility rates for women aged 18-24 years have decreased, while rates for women aged 25 and older have increased. Fertility rates for women under age 18 have remained unchanged throughout this decade.

Colorado live births by age group of woman for the years 1970 through 1988 appear in Table 15. Table 16 shows Colorado and U.S. general fertility rates, age-specific fertility rates and total fertility rates for these years.

In 1988, the greatest number of live births in the state occurred to women aged 25-29. One-third of all resident live births (32.3 percent) were to women in this age group. Twenty-five percent of live births were to women aged 20-24, followed by 23 percent born to women aged 30-34. Colorado women giving birth in 1988 ranged from age 13 to age 51.

Age-specific fertility rates also were highest for women aged 25-29. There were 120.7 live births per 1,000 women in this age group in 1988, up 12.6 percent from a rate of 107.2 in 1980. The fertility rate for women aged 20-24 followed at 102.1, down 8.4 percent from the 1980 rate of 111.5.

Increases in fertility rates between 1980 and 1988 were most notable among women in older age groups. The fertility rate for Colorado women aged 30-34 increased by 21.8 percent between 1980 and 1988, from 63.4 to 77.2. In the 35-39 age category, the 1988 fertility rate of 28.8 was 51.6 percent higher than the 1980 rate of 19.0.

While Table 16 indicates decreases in fertility rates among teens aged 15-19 throughout the 1980s, the decrease for this age group was concentrated among the oldest teens, aged 18-19. These teens experienced a rate of 74.4 in 1988, down 6.4 percent from a rate of 79.5 in 1980. Older teens, therefore, followed patterns similar to women in their early twenties. Fertility rates for teens younger than 18 years of age have remained relatively stable throughout the decade.

Table 21 shows total births and fertility rates by single-year age of Colorado mothers in 1988.

Consistent with trends in the general fertility rate, almost all age-specific fertility rates were lower in Colorado than in the United States between 1970 and 1980. Since 1980, the Colorado rates for women in their twenties and thirties have been slightly higher than national fertility rates. Among teens aged 15-19, Colorado has consistently had lower fertility rates than the United States. Figures 8 and 9 compare age-specific fertility rates for Colorado and the nation between 1970 and 1988.

Table 15. Live Births by Age Group of Mother: Colorado Residents, 1970-1988

Year	Total Births	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1970	41,480	43	7,132	16,436	11,329	4,441	1,631	439	24
1971	40,360	59	7,005	16,161	11,045	4,275	1,424	365	21
1972	38,585	81	6,799	14,506	11,263	4,269	1,311	332	17
1973	38,507	81	6,896	14,206	11,398	4,389	1,199	305	16
1974	39,036	76	6,846	14,145	11,973	4,518	1,195	269	11
1975	40,148	88	6,627	14,533	12,565	4,885	1,211	222	16
1976	40,978	65	6,429	14,368	13,393	5,220	1,264	221	17
1977	43,056	62	6,318	14,938	13,899	6,204	1,381	228	19
1978	44,063	75	6,144	15,167	14,309	6,620	1,505	225	13
1979	47,179	74	6,355	15,951	15,394	7,470	1,670	253	9
1980	49,716	57	6,530	16,642	16,081	8,349	1,842	198	12
1981	52,104	77	6,587	17,137	16,807	9,170	2,045	266	11
1982	54,786	62	6,497	17,965	17,801	9,685	2,492	268	10
1983	54,644	81	6,177	17,088	17,893	10,304	2,766	319	10
1984	54,339	66	5,724	16,541	17,655	10,879	3,121	334	11
1985	55,115	90	5,634	16,242	18,065	11,231	3,464	370	13
1986	55,142	83	5,562	15,546	18,078	11,634	3,824	404	8
1987	53,803	82	5,635	14,245	17,748	11,602	3,964	505	16
1988	53,346	71	5,615	13,474	17,254	12,060	4,265	582	21

Total Fertility Rates

Total fertility rates indicate the number of live births that 1,000 women would have if they experienced the set of age-specific birth rates in effect in a given year throughout their childbearing years. This hypothetical measure shows the potential impact of current fertility levels by age on completed family size.

As Table 16 shows, Colorado's total fertility rate was 1,907.0 per 1,000 women aged 15-44 in 1988. That is, there would be 1,907 births per 1,000 women (or an average of 1.9 births per individual woman) if the age-specific rates in 1988 remained the same over time.

Total fertility rates declined in both Colorado and the United States until the mid-1970s. Rates have fluctuated since then, averaging slightly higher in Colorado than in the nation as a whole.

Table 16. General Fertility Rates, Age-Specific Fertility Rates and Total Fertility Rates: Colorado Residents and United States, 1970-1988

Year	General Fertility Rate	Age of Women 10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	Total Fertility Rate
Colorado										
1970	84.4	0.4	65.8	160.6	138.6	64.5	25.4	6.7	0.4	2,312.0
1971	78.4	0.5	62.3	145.7	126.8	58.7	21.8	5.5	0.3	2,108.0
1972	70.6	0.7	57.6	126.5	113.1	54.1	19.3	5.0	0.3	1,883.0
1973	66.7	0.7	56.0	117.8	106.1	50.4	16.9	4.5	0.2	1,763.0
1974	65.3	0.6	54.5	113.4	104.6	49.1	16.4	4.0	0.2	1,714.0
1975	65.1	0.7	52.0	112.5	103.6	50.7	16.2	3.3	0.2	1,696.0
1976	64.4	0.5	50.0	108.5	103.1	52.2	16.3	3.2	0.3	1,670.5
1977	65.1	0.5	58.7	108.9	105.0	55.8	16.9	3.3	0.3	1,747.0
1978	64.1	0.7	47.1	107.0	103.8	56.3	17.1	3.1	0.2	1,676.5
1979	65.8	0.7	48.2	109.1	106.3	59.4	17.9	3.4	0.1	1,725.5
1980	67.5	0.5	49.5	111.5	107.2	63.4	19.0	2.6	0.2	1,769.5
1981	68.6	0.7	50.4	113.8	109.4	66.1	19.6	3.3	0.2	1,817.5
1982	69.9	0.6	49.8	117.8	112.8	66.5	22.2	3.2	0.1	1,865.0
1983	68.0	0.7	47.8	112.2	111.7	67.9	23.0	3.5	0.1	1,834.5
1984	66.9	0.6	45.1	111.0	111.0	70.0	24.6	3.5	0.1	1,829.5
1985	67.2	0.8	45.0	111.3	114.9	71.1	25.9	3.7	0.2	1,864.5
1986	66.9	0.8	44.8	108.6	117.9	73.5	27.5	3.8	0.1	1,885.0
1987	65.3	0.7	46.1	103.0	119.3	73.5	27.5	4.5	0.2	1,874.0
1988	65.2	0.6	46.9	102.1	120.7	77.2	28.8	4.9	0.2	1,907.0
United States										
1970	87.9	1.2	68.4	167.8	145.1	73.3	31.7	8.1	0.5	2,480.5
1971	81.6	1.1	64.5	150.1	134.1	67.3	28.7	7.1	0.4	2,266.5
1972	73.1	1.2	61.7	130.2	117.7	59.8	24.8	6.2	0.4	2,010.0
1973	68.8	1.2	59.3	119.7	112.2	55.6	22.1	5.4	0.3	1,879.0
1974	67.8	1.2	57.5	117.7	111.5	53.8	20.2	4.8	0.3	1,835.0
1975	66.0	1.3	55.6	113.0	108.2	52.3	19.5	4.6	0.3	1,774.0
1976	65.0	1.2	52.8	110.3	106.2	53.6	19.0	4.3	0.2	1,738.0
1977	66.8	1.2	52.8	112.9	111.0	56.4	19.2	4.2	0.2	1,789.5
1978	65.5	1.2	51.5	109.9	108.5	57.8	19.0	3.9	0.2	1,760.0
1979	67.2	1.2	52.3	112.8	111.4	60.3	19.5	3.9	0.2	1,808.0
1980	68.4	1.1	53.0	115.1	112.9	61.9	19.8	3.9	0.2	1,839.5
1981	67.4	1.1	52.7	111.8	112.0	61.4	20.0	3.8	0.2	1,815.0
1982	67.3	1.1	52.9	111.3	111.0	64.2	21.1	3.9	0.2	1,828.5
1983	65.8	1.1	51.7	108.3	108.7	64.6	22.1	3.8	0.2	1,802.5
1984	65.4	1.2	50.9	107.3	108.3	66.5	22.8	3.9	0.2	1,805.5
1985	66.2	1.2	51.3	108.9	110.5	68.5	23.9	4.0	0.2	1,842.5
1986	65.4	1.3	50.6	108.2	109.2	69.3	24.3	4.1	0.2	1,836.0
1987	66.1	-	-	-	-	-	-	-	-	-
1988	67.3	-	-	-	-	-	-	-	-	-

General fertility rates are total live births per 1,000 women aged 15-44. Age-specific fertility rates are live births per 1,000 women in each age group. Total fertility rates are the sum of the age-specific fertility rates of women in each age group, 10-14 through 45-49. Since 5-year age groups are used, the sum is multiplied by 5.

Figure 8. Fertility Rates by Age: Colorado Residents, 1970-1988

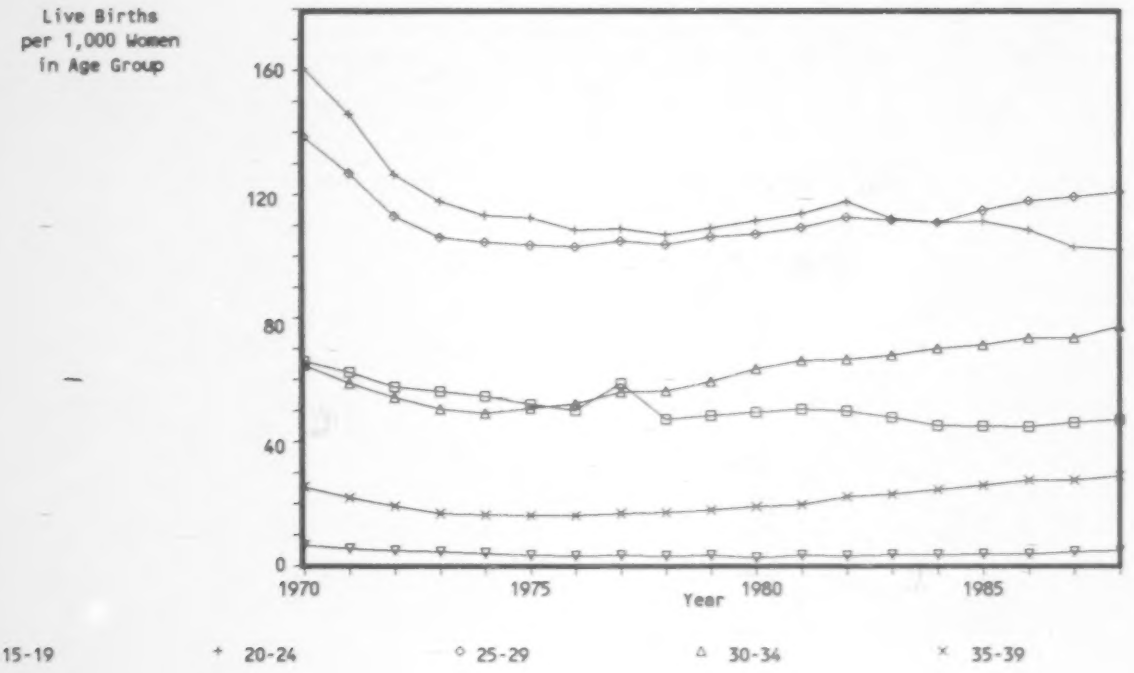
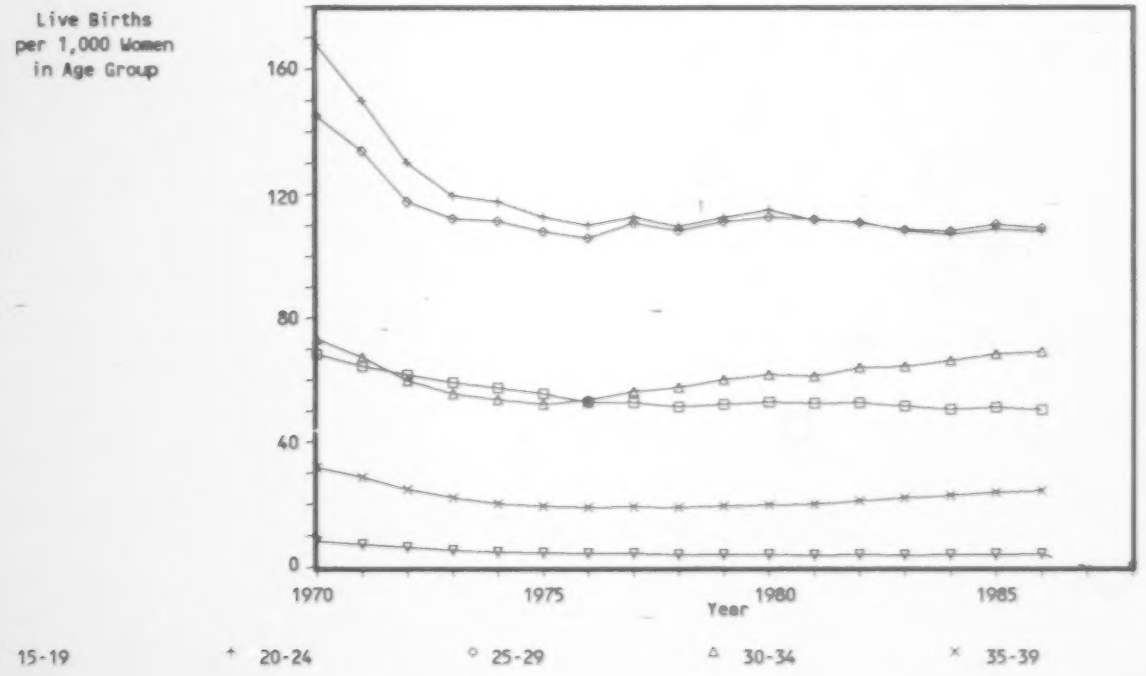


Figure 9. Fertility Rates by Age: United States, 1970-1986



Age of Father

Table 17 presents live births by age of mother and age of father by race of child. Paternal data contained in birth records are incomplete because of the large percentage of live births to unmarried women, 19.5 percent of Colorado resident births in 1988. Colorado law permits compilation of paternal information only for births in which the mother was married at conception or at the time of the birth. Exceptions are limited to cases where a court has determined paternity or a child's parents have jointly requested the information be added to the birth record.

As Table 17 shows, paternal data were missing from 9,891 of the total 53,346 resident live births in 1988. The modal age of fathers for which information was reported was 29 years. Fathers' ages ranged from 15 to 80 years.

Of the 43,455 live births for which data were available, one-third of the fathers were aged 25-29, followed by 29.5 percent aged 30-34, 15.5 percent aged 20-24 and 14.9 percent aged 35-39.

Table 17. Live Births by Age of Mother and Age of Father by Race of Child: Colorado Residents, 1988

		Age of Father										
Age of Mother	Total	<15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55+	Unknown/ Not Stated
All Races												
Total	53,346	0	738	6,748	13,910	12,808	6,470	2,091	512	122	56	9,891
<15	71	0	3	1	2	0	0	0	0	0	0	65
15-19	5,615	0	551	1,352	310	49	20	5	1	1	0	3,326
20-24	13,474	0	170	4,425	4,155	942	226	69	21	5	3	3,458
25-29	17,254	0	10	827	7,881	5,128	1,209	303	58	18	10	1,810
30-34	12,060	0	2	126	1,374	5,797	2,984	698	173	35	13	858
35-39	4,265	0	1	13	177	831	1,914	791	181	33	19	305
40-44	582	0	1	4	11	61	117	221	71	27	9	60
45+	22	0	0	0	0	0	0	4	7	3	2	6
Unk/Not Stated	3	0	0	0	0	0	0	0	0	0	0	3
Total White												
Total	48,213	0	677	6,084	12,874	11,853	6,007	1,896	450	102	46	8,224
<15	49	0	3	1	0	0	0	0	0	0	0	45
15-19	4,883	0	509	1,217	270	41	16	5	1	1	0	2,823
20-24	11,971	0	156	4,008	3,822	849	199	64	16	5	1	2,851
25-29	15,711	0	6	729	7,338	4,710	1,097	270	48	14	9	1,490
30-34	11,121	0	2	115	1,276	5,424	2,784	630	157	26	11	696
35-39	3,923	0	0	10	159	769	1,804	720	158	29	17	257
40-44	538	0	1	4	9	60	107	203	67	24	7	56
45+	16	0	0	0	0	0	0	4	3	3	1	5
Unk/Not Stated	1	0	0	0	0	0	0	0	0	0	0	1
Anglo White												
Total	40,183	0	461	4,758	11,122	10,739	5,514	1,728	412	83	38	5,328
<15	21	0	2	0	0	0	0	0	0	0	0	19
15-19	3,142	0	353	862	185	28	10	3	1	1	0	1,699
20-24	9,194	0	100	3,234	3,131	689	170	46	11	4	1	1,808
25-29	13,635	0	5	573	6,512	4,229	970	236	45	11	7	1,047
30-34	10,067	0	1	80	1,151	5,032	2,553	571	140	22	11	506
35-39	3,631	0	0	6	136	708	1,710	677	153	26	14	201
40-44	480	0	0	3	7	53	101	192	59	17	5	43
45+	12	0	0	0	0	0	0	3	3	2	0	4
Unk/Not Stated	1	0	0	0	0	0	0	0	0	0	0	1

Age of Mother	Total	Age of Father <15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55+	Unknown/ Not Stated
Spanish Surname White												
Total	8,030	0	216	1,326	1,752	1,114	493	168	38	19	8	2,896
<15	28	0	1	1	0	0	0	0	0	0	0	26
15-19	1,741	0	156	355	85	13	6	2	0	0	0	1,124
20-24	2,777	0	56	774	691	160	29	18	5	1	0	1,043
25-29	2,076	0	1	156	826	481	127	34	3	3	2	443
30-34	1,054	0	1	35	125	392	231	59	17	4	0	190
35-39	292	0	0	4	23	61	94	43	5	3	3	56
40-44	58	0	1	1	2	7	6	11	8	7	2	13
45+	4	0	0	0	0	0	0	1	0	1	1	1
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0
Total Non-White												
Total	5,048	0	61	662	1,022	934	446	190	62	20	10	1,641
<15	22	0	0	0	2	0	0	0	0	0	0	20
15-19	724	0	42	134	40	8	4	0	0	0	0	496
20-24	1,493	0	14	416	330	92	27	5	5	0	2	602
25-29	1,515	0	4	98	535	409	108	32	10	4	1	314
30-34	914	0	0	11	97	363	192	66	16	9	2	158
35-39	331	0	1	3	16	61	106	69	23	4	2	46
40-44	43	0	0	0	2	1	9	18	4	3	2	4
45+	6	0	0	0	0	0	0	0	4	0	1	1
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0
Black												
Total	3,160	0	35	441	563	429	204	79	28	12	3	1,366
<15	16	0	0	0	0	0	0	0	0	0	0	16
15-19	554	0	25	83	16	4	4	0	0	0	0	422
20-24	1,043	0	9	286	177	45	15	2	3	0	1	505
25-29	900	0	1	64	305	195	50	16	8	3	1	257
30-34	492	0	0	7	57	163	88	31	9	6	0	131
35-39	138	0	0	1	7	22	11	25	6	2	1	33
40-44	16	0	0	0	1	0	6	5	2	1	0	1
45+	1	0	0	0	0	0	0	0	0	0	0	1
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0
Native American												
Total	528	0	15	92	86	89	31	15	4	1	2	193
<15	3	0	0	0	0	0	0	0	0	0	0	3
15-19	85	0	11	19	5	0	0	0	0	0	0	50
20-24	179	0	3	62	28	10	4	1	0	0	0	71
25-29	142	0	1	9	43	33	10	6	0	0	0	40
30-34	89	0	0	1	9	40	10	5	2	1	1	20
35-39	25	0	0	1	0	6	7	1	2	0	1	7
40-44	5	0	0	0	1	0	0	2	0	0	0	2
45+	0	0	0	0	0	0	0	0	0	0	0	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0
Asian												
Total	1,340	0	10	126	365	411	209	96	30	7	5	81
<15	3	0	0	0	2	0	0	0	0	0	0	1
15-19	84	0	6	32	18	4	0	0	0	0	0	24
20-24	263	0	1	65	123	37	7	2	2	0	1	25
25-29	468	0	2	25	183	180	48	10	2	1	0	17
30-34	328	0	0	3	31	156	93	30	5	2	1	7
35-39	167	0	1	1	8	33	58	43	15	2	0	6
40-44	22	0	0	0	0	1	3	11	2	2	2	1
45+	5	0	0	0	0	0	0	0	4	0	1	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0

Twenty non-white births of other race categories are not included in this table.

Live Birth Order

In 1988, 40.9 percent of live births (21,833 births) were first births. Women reporting second births accounted for 33.7 percent of live births (17,953 births). Third-order births represented 16.1 percent (8,568 births) and fourth-order births represented 5.7 percent of total live births (3,048 births).

Fertility rates by live-birth order were very similar for Colorado in 1988 and the United States in 1986, the latest year for which national data are available. The Colorado rate for first-order births in 1988 of 26.7 live births per 1,000 women aged 15-44 is comparable to the U.S. rate of 27.2 in 1986. Approximately 27 of every 1,000 women of childbearing age gave birth for the first time in Colorado and the United States in 1988 and 1986, respectively.

The fertility rate for second-order births in Colorado was 22.0, as compared to a rate of 21.6 for the nation in 1986. The third-order rate in Colorado was 10.5 and 10.3 in the nation. The fertility rate of 3.7 for fourth-order births in Colorado, compared to a rate of 3.8 for the U.S. in 1986.

Table 18 presents live-birth order for Colorado resident live births in 1988 by age of mother and race of child.

Table 18. Live Births by Age of Mother, Race of Child and Live-Birth Order: Colorado Residents, 1988

Race of Child	Age of Mother								
	Total	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown/ Not Stated
All Races										
All Births	53,346	71	5,615	13,474	17,254	12,060	4,265	582	22	3
Birth Order 1	21,833	67	4,328	6,355	6,438	3,513	1,010	121	1	0
2	17,953	3	1,061	4,693	6,196	4,425	1,438	135	2	0
3	8,568	0	179	1,783	3,043	2,481	946	131	5	0
4	3,048	0	18	458	1,055	1,008	430	77	2	0
5+	1,661	0	1	127	429	563	415	114	12	0
Unknown/Not Stated	283	1	28	58	93	70	26	4	0	3
Total White										
All Births	48,213	49	4,883	11,971	15,711	11,121	3,923	538	16	1
Birth Order 1	19,855	46	3,820	5,721	5,935	3,276	948	109	0	0
2	16,350	2	885	4,201	5,670	4,132	1,329	129	2	0
3	7,701	0	143	1,528	2,762	2,273	867	124	4	0
4	2,680	0	14	374	919	908	393	70	2	0
5+	1,411	0	1	104	350	479	367	102	8	0
Unknown/Not Stated	216	1	20	43	75	53	19	4	0	1
Anglo White										
All Births	40,183	21	3,142	9,194	13,635	10,067	3,631	480	12	1
Birth Order 1	16,948	20	2,588	4,764	5,459	3,101	913	103	0	0
2	13,831	0	475	3,134	4,995	3,834	1,272	119	2	0
3	6,209	0	61	1,010	2,211	2,015	795	114	3	0
4	1,996	0	5	191	684	712	342	60	2	0
5+	1,018	0	0	58	227	355	293	80	5	0
Unknown/Not Stated	181	1	13	37	59	50	16	4	0	1

Race of Child	Age of Mother									
	Total	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown/ Not Stated
Spanish Surname White										
All Births	8,030	28	1,741	2,777	2,076	1,054	292	58	4	0
Birth Order 1	2,907	26	1,232	957	476	175	35	6	0	0
2	2,519	2	410	1,067	675	298	57	10	0	0
3	1,492	0	82	518	551	258	72	10	1	0
4	684	0	9	183	235	196	51	10	0	0
5+	393	0	1	46	123	124	74	22	3	0
Unknown/Not Stated	35	0	7	6	16	3	3	0	0	0
Total Non-White										
All Births	5,048	22	724	1,493	1,515	914	331	43	6	0
Birth Order 1	1,952	21	506	629	494	230	59	12	1	0
2	1,578	1	173	490	520	283	105	6	0	0
3	863	0	36	255	278	208	79	6	1	0
4	365	0	4	84	134	99	37	7	0	0
5+	250	0	0	23	79	84	48	12	4	0
Unknown/Not Stated	40	0	5	12	10	10	3	0	0	0
Black										
All Births	3,160	16	554	1,043	900	492	138	16	1	0
Birth Order 1	1,222	16	386	426	251	115	23	5	0	0
2	978	0	136	358	312	132	39	1	0	0
3	558	0	25	178	189	122	42	2	0	0
4	241	0	4	58	90	69	16	4	0	0
5+	142	0	0	18	53	50	16	4	1	0
Unknown/Not Stated	19	0	3	5	5	4	2	0	0	0
Native American										
All Births	528	3	85	179	142	89	25	5	0	0
Birth Order 1	192	3	61	67	43	16	2	0	0	0
2	147	0	20	60	35	27	3	2	0	0
3	99	0	4	38	28	22	7	0	0	0
4	54	0	0	12	24	11	5	2	0	0
5+	34	0	0	2	10	13	8	1	0	0
Unknown/Not Stated	2	0	0	0	2	0	0	0	0	0
Asian										
All Births	1,340	3	84	263	468	328	167	22	5	0
Birth Order 1	529	2	58	131	198	98	34	7	1	0
2	449	1	17	70	172	123	63	3	0	0
3	202	0	7	38	60	63	29	4	1	0
4	70	0	0	14	20	19	16	1	0	0
5+	71	0	0	3	15	19	24	7	3	0
Unknown/Not Stated	19	0	2	7	3	6	1	0	0	0

Twenty non-white births in other race categories are not included in this table.

Birth Weight

In 1988, 7.8 percent (4,184 infants) of total Colorado resident live births were classified as of low birth weight, which is less than 2,500 grams or five pounds, eight ounces or less. The percentage of low weight births in the state has remained fairly constant since 1982, ranging between 7.7 and 7.9 percent.

Table 19 compares Colorado and U.S. low birth weight data for the years 1960 through 1988. Figure 10 depicts the percentage of low weight births during this period. Colorado's percentage of low weight births has consistently exceeded the national average since at least 1960.

In 1986, the most recent year for which U.S. data are available, 6.8 percent of U.S. births were of low weight. In that year Colorado had the highest rates of low weight births for both blacks and whites of any state in the country. In 1986 7.3 percent of white births and 14.4 percent of black births to Colorado residents weighed under 2,500 grams, as compared to 5.6 percent of white births and 12.5 percent of black births nationally. Of Colorado births in 1988, 7.5 percent of whites and 12.9 percent of black births were of low weight.

Low birth weight tends to occur more frequently among mothers in the youngest and oldest age categories. Table 20 presents live births by birth weight and age of mother for 1988. This table lists birth weights by 500-gram groupings and includes information for total low weight births and very low birth weight births (weights under 1,500 grams). In 1988, women under 20 years of age gave birth to 10.7 percent of all births, but produced a disproportionate 13.5 percent of low weight births and 16.5 percent of very low weight births in Colorado.

Among women aged 20-24, 8.5 percent of live births were low weight. Women aged 25-29 had the lowest frequency of low weight births (6.7 percent) of any age group. Women aged 30-34 averaged 7.4 percent, and 8.8 percent of total births to women in the 35-39 age bracket were low weight. Frequency of low birth weight increased to 10.3 percent in mothers over age 39.

In 1988, the median age of mothers of low weight babies was 26.0 years, compared with 26.1 years in 1987 and 26.2 years in 1986. The mean age of these women was 26.4 years in 1988, compared to 25.9 years in 1987 and 26.1 years in 1986.

Single-year age data offer another method of examining trends in birth outcomes. Table 21 presents total live births and low weight births by single-year age of mother in 1988, as well as fertility rates and births to unmarried women.

Table 19. Number and Percent of Low Weight Births: Colorado Residents and United States, 1960-1988

Year	Total Live Births	Colorado Number	Colorado Percent	United States Percent	Year	Total Live Births	Colorado Number	Colorado Percent	United States Percent
1960	42,905	4,402	10.3	7.7	1975	40,148	3,622	9.0	7.4
1961	44,648	4,613	10.3	7.8	1976	40,978	3,616	8.8	7.3
1962	43,594	4,587	10.5	8.0	1977	43,056	3,570	8.3	7.1
1963	42,179	4,346	10.3	8.2	1978	44,063	3,617	8.2	7.1
1964	40,537	4,282	10.6	8.2	1979	47,179	3,855	8.2	6.9
1965	36,851	3,872	10.5	8.3	1980	49,716	4,090	8.2	6.8
1966	34,899	3,728	10.7	8.3	1981	52,104	4,167	8.0	6.8
1967	35,166	3,672	10.4	8.2	1982	54,786	4,220	7.7	6.8
1968	36,842	3,660	9.9	8.2	1983	54,644	4,339	7.9	6.8
1969	39,189	3,919	10.0	8.0	1984	54,339	4,141	7.6	6.7
1970	41,480	4,002	9.6	7.9	1985	55,115	4,257	7.7	6.8
1971	40,360	3,715	9.2	7.7	1986	55,142	4,255	7.7	6.8
1972	38,585	3,563	9.2	7.7	1987	53,803	4,265	7.9	-
1973	38,507	3,568	9.3	7.6	1988	53,346	4,184	7.8	-
1974	39,036	3,496	9.0	7.4					

The definition of low weight birth changed in 1979 from 2,500 grams or less to less than 2,500 grams.
Source for U.S. data is the National Center for Health Statistics.

Figure 10. Percentage of Low Weight Births: Colorado Residents and United States, 1960-1988

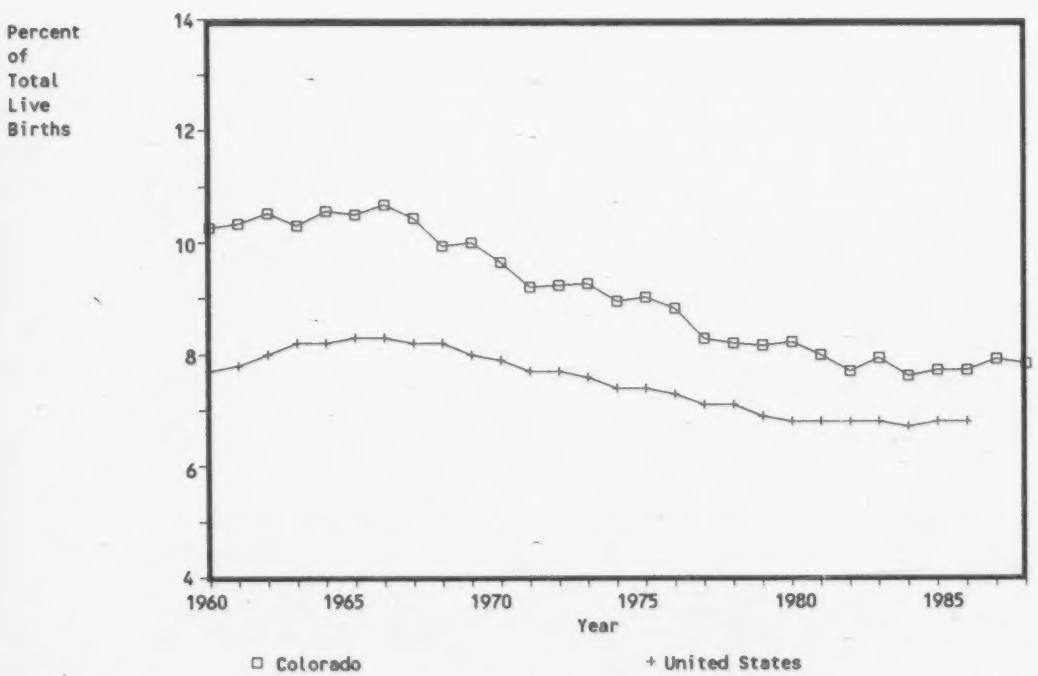


Table 20. Live Births by Birth Weight and Age of Mother: Colorado Residents, 1988

Birth Weight (Grams)	Total	Age of Mother <15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown/ Not Stated
Number										
Total	53,346	71	5,615	13,474	17,254	12,060	4,265	582	22	3
<500	49	0	6	17	12	9	5	0	0	0
500-999	201	1	36	58	48	38	18	1	1	0
1,000-1,499	272	1	42	68	74	55	28	3	1	0
1,500-1,999	741	1	92	192	201	175	68	12	0	0
2,000-2,499	2,921	6	378	804	822	610	256	43	1	1
2,500-2,999	10,703	15	1,415	2,983	3,322	2,118	737	107	6	0
3,000-3,499	21,781	28	2,376	5,498	7,183	4,810	1,653	226	6	1
3,500-3,999	13,362	18	1,061	3,166	4,462	3,348	1,155	146	6	0
4,000-4,499	2,865	0	185	588	974	777	301	40	0	0
4,500-4,999	409	1	21	92	139	111	40	4	1	0
5,000+	27	0	2	7	9	6	3	0	0	0
Unknown/Not Stated	15	0	1	1	8	3	1	0	0	1
Very Low Weight, <1,500	522	2	84	143	134	102	51	4	2	0
Total Low Weight, <2,500	4,184	9	554	1,139	1,157	887	375	59	3	1
Percent										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<500	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
500-999	0.4	1.4	0.6	0.4	0.3	0.3	0.4	0.2	4.5	0.0
1,000-1,499	0.5	1.4	0.7	0.5	0.4	0.5	0.7	0.5	4.5	0.0
1,500-1,999	1.4	1.4	1.6	1.4	1.2	1.5	1.6	2.1	0.0	0.0
2,000-2,499	5.5	8.5	6.7	6.0	4.8	5.1	6.0	7.4	4.5	33.3
2,500-2,999	20.1	21.1	25.2	22.1	19.3	17.6	17.3	18.4	27.3	0.0
3,000-3,499	40.8	39.4	42.3	40.8	41.6	39.9	38.8	38.8	27.3	33.3
3,500-3,999	25.0	25.4	18.9	23.5	25.9	27.8	27.1	25.1	27.3	0.0
4,000-4,499	5.4	0.0	3.3	4.4	5.6	6.4	7.1	6.9	0.0	0.0
4,500-4,999	0.8	1.4	0.4	0.7	0.8	0.9	0.9	0.7	4.5	0.0
5,000+	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
Unknown/Not Stated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3
Very Low Weight, <1,500	1.0	2.8	1.5	1.1	0.8	0.8	1.2	0.7	9.1	0.0
Total Low Weight, <2,500	7.8	12.7	9.9	8.5	6.7	7.4	8.8	10.1	13.6	33.3

See technical notes for a table converting metric weights into pounds and ounces.

Table 21. Live Births, Low Weight Births and Births to Unmarried Women by Single-Year Age of Mother: Colorado Residents, 1988

Age of Mother	Population of Women	Total Live Birth		Low Weight Birth		Births to Unmarried Women	
		Number	Fertility Rate	Number	Percent	Number	Percent
Total	817,650	53,346	65.2	4,184	7.8	10,425	19.5
13	21,915	12	0.5	1	8.3	12	100.0
14	22,347	59	2.6	8	13.6	56	94.9
15	22,885	233	10.2	38	16.3	221	94.8
16	23,417	584	24.9	62	10.6	486	83.2
17	23,948	1,126	47.0	131	11.6	829	73.6
18	24,446	1,553	63.5	139	9.0	992	63.9
19	24,910	2,119	85.1	184	8.7	1053	49.7
20	25,415	2,261	89.0	224	9.9	917	40.6
21	25,958	2,397	92.3	231	9.6	772	32.2
22	26,458	2,694	101.8	224	8.3	715	26.5
23	26,901	2,941	109.3	237	8.1	622	21.1
24	27,298	3,181	116.5	223	7.0	608	19.1
25	27,628	3,359	121.6	239	7.1	517	15.4
26	27,967	3,548	126.9	245	6.9	423	11.9
27	28,447	3,507	123.3	224	6.4	357	10.2
28	29,092	3,521	121.0	241	6.8	304	8.6
29	29,845	3,319	111.2	208	6.3	260	7.8
30	30,586	3,168	103.6	222	7.0	272	8.6
31	31,176	2,825	90.6	195	6.9	202	7.2
32	31,519	2,327	73.8	188	8.1	172	7.4
33	31,564	1,969	62.4	132	6.7	132	6.7
34	31,326	1,771	56.5	150	8.5	120	6.8
35	30,991	1,432	46.2	129	9.0	107	7.5
36	30,566	1,053	34.5	92	8.7	75	7.1
37	29,874	791	26.5	64	8.1	60	7.6
38	28,901	588	20.3	57	9.7	40	6.8
39	27,695	401	14.5	33	8.2	34	—8.5
40	26,380	264	10.0	24	9.1	21	8.0
41	25,047	175	7.0	20	11.4	22	12.6
42	23,724	86	3.6	10	11.6	8	9.3
43	22,449	35	1.6	4	11.4	3	8.6
44	21,237	22	1.0	1	4.5	3	13.6
45	20,026	10	0.5	0	0.0	3	30.0
46	18,842	9	0.5	3	33.3	4	44.4
47	17,794	2	-	0	0.0	0	0.0
48	16,908	0	0.0	0	-	0	-
49	16,178	0	0.0	0	-	0	-
50+		1	-	0	0.0	0	0.0
Unknown/Not Stated		3	-	1	33.3	3	100.0

Population figures are 1988-based preliminary estimates from the Demographic Section, Colorado Department of Local Affairs. Percentages based on few actual cases must be viewed with caution.

Length of Gestation

Preterm births (less than 37 completed weeks of gestation) represented 7.5 percent of Colorado live births in 1988. Of the total 53,346 resident live births, 3,985 were preterm. Despite higher percentages of low birth weight in Colorado than nationally, the percentage of preterm births in the state was lower than the 9.6 percent U.S. average in 1986.

Table 22 shows Colorado resident live births by weeks gestation and birth weight for 1988. Of the total Colorado low weight births in 1988, 44.1 percent were preterm deliveries. Nationally, 47.5 percent of low weight births in the U.S. were preterm in 1986.

Further comparison of gestational age data between Colorado in 1988 and the United States in 1986 indicates lower proportions of gestational ages under 40 weeks and higher proportions of gestations of 41 weeks and over in Colorado than in the nation.

Gestational age is determined by the entry on the birth certificate stating date last normal menses began. It is not known to what extent differences in reporting may contribute to differences between Colorado and U.S. gestational age data.

Table 22. Live Births by Period of Gestation and Birth Weight: Colorado Residents, 1988

Birth Weight in Grams	Period of Gestation									
	All Births	<28 Weeks	28-31 Weeks	32-35 Weeks	36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42+ Weeks	Unknown/ Not Stated
Total	53,346	318	425	1,878	1,364	16,799	11,913	9,377	9,869	1,403
<500	49	39	1	1	1	0	0	0	0	7
500-999	201	123	41	12	1	3	1	1	5	14
1,000-1,499	272	28	120	79	8	10	3	2	7	15
1,500-1,999	741	6	91	342	66	131	36	24	20	25
2,000-2,499	2,921	18	37	498	332	1,213	308	191	230	94
2,500-2,999	10,703	30	54	479	453	4,619	1,989	1,294	1,454	331
3,000-3,499	21,781	44	53	325	361	7,166	5,337	3,955	4,022	518
3,500-3,999	13,362	13	21	124	127	3,071	3,453	3,025	3,205	323
4,000-4,499	2,865	6	6	15	11	505	687	787	790	58
4,500-4,999	409	0	1	1	4	79	94	92	125	13
5,000+	27	5	0	0	0	1	4	5	10	2
Unknown/Not Stated	15	6	0	2	0	1	1	1	1	3
Low Weight Birth (<2,500 grams)	4,184	214	290	932	408	1,357	348	218	262	155

Prenatal Care

Of the 52,631 Colorado resident live births with the "month care began" entry completed on the birth certificate in 1988, 77.7 percent began prenatal care in the first trimester (the first three months of pregnancy). In 1987, 77.6 percent of births reported first-trimester care, compared with 77.8 percent in 1985 and 1986 and 77.4 percent in 1984. The proportion of women who are receiving first trimester prenatal care has remained stable over the past five years in Colorado.

U.S. trends in commencement of prenatal care have been very similar to those in Colorado. Nationally, 76 percent of all mothers began prenatal care in the first trimester every year between 1979 and 1986, with the exception of 77 percent in 1984.

Reporting indicated that 17.3 percent of mothers in 1988 initiated prenatal care in the second trimester of pregnancy, compared with 17.7 percent in 1987, and 18 percent in the United States in 1986.

A total of 4.1 percent of Colorado live births reporting "month care began" in 1988 started prenatal care in the third trimester, and 0.9 percent had no care or care only at delivery. Nationally, 4.1 percent reported care beginning in the third trimester, and 1.9 percent had no prenatal care in 1986. The proportion of Colorado births receiving late care or no care has remained stable since the late 1970s. Figure 11 details the percent distribution of trimester prenatal care began from 1975 to 1988.

The percentage of women receiving prenatal care in the first trimester was lowest for teenage mothers (52.0 percent) and highest for mothers aged 30-34 (87.2 percent). Table 23 presents month and trimester prenatal care began by age of mother for Colorado live births in 1988. Figure 12 illustrates trimester care began by age of mother.

Another measure of prenatal care available from birth records is the number of prenatal visits made during the pregnancy. The American College of Obstetricians and Gynecologists recommends an optimum of approximately 13 prenatal visits during a normal full-term pregnancy. In 1988, 32.9 percent of Colorado resident live births with any prenatal visits reported had 13 or more visits, down slightly from the 1987 total of 34.4 percent. In 1986, 33.8 percent reported 13 or more visits, and the percentage in 1985 was 30.8.

Table 24 shows the number of prenatal visits by age of mother in 1988. Of mothers with any prenatal visits reported, teens had the lowest percentage of 13 or more prenatal visits. Only 8.6 percent of mothers aged 13-14 had 13 or more prenatal visits. Of mothers in the 15-17 age bracket, 18.4 percent reported 13 or more prenatal visits, and 20.5 percent of mothers aged 18-19 reported 13 or more visits. These figures contrast with 41.0 percent of mothers in the 35-39 age category, 40.9 percent of mothers in the 40-44 age category and 38.7 percent of mothers aged 30-34.

Teens also had the highest percentages of births with few prenatal visits. Of mothers aged 13-14, 12.9 percent had less than three prenatal visits in 1988. Seven percent of teens aged 15-17 and 6.4 percent of teens 18-19 had fewer than three prenatal visits. These data compare with 1.4 percent of mothers in the 30-34 age category. Overall, 698 Colorado resident live births (1.3 percent) had no prenatal visits reported in 1988.

More prenatal visits were associated with prenatal care initiated early in the pregnancy. Table 25 details Colorado resident live births by month and trimester prenatal care began by number of prenatal visits in 1988.

Figure 11. Percent Distribution of Trimester Care Began: Colorado Residents, 1975-1988

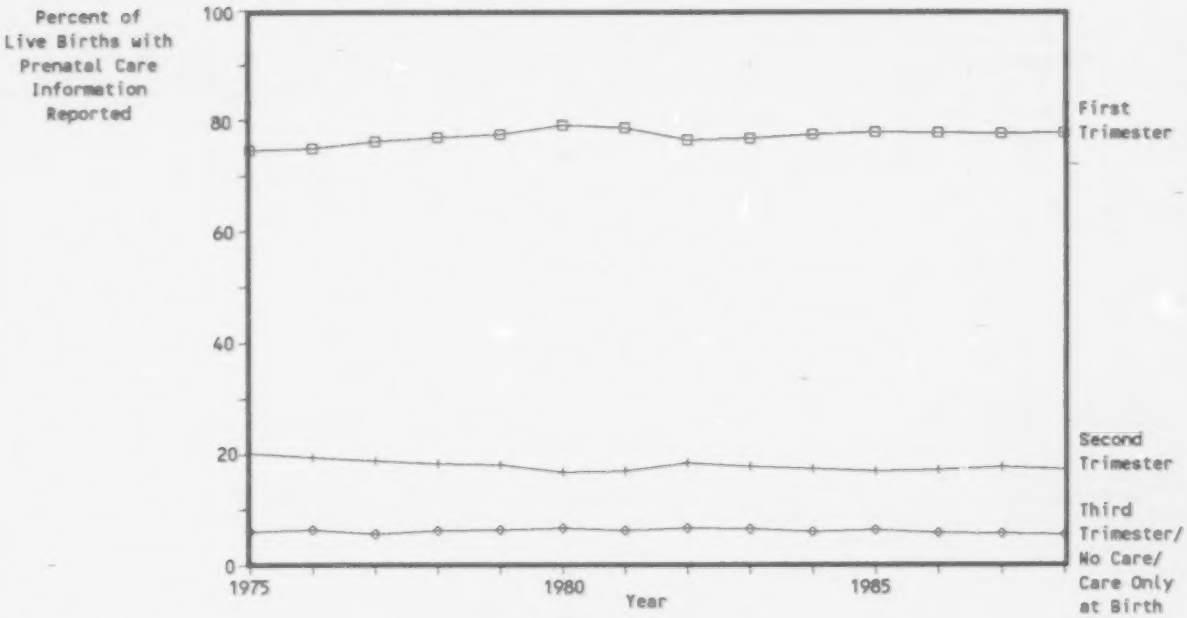


Figure 12. Percent Distribution of Trimester Care Began by Age of Mother: Colorado Residents, 1988

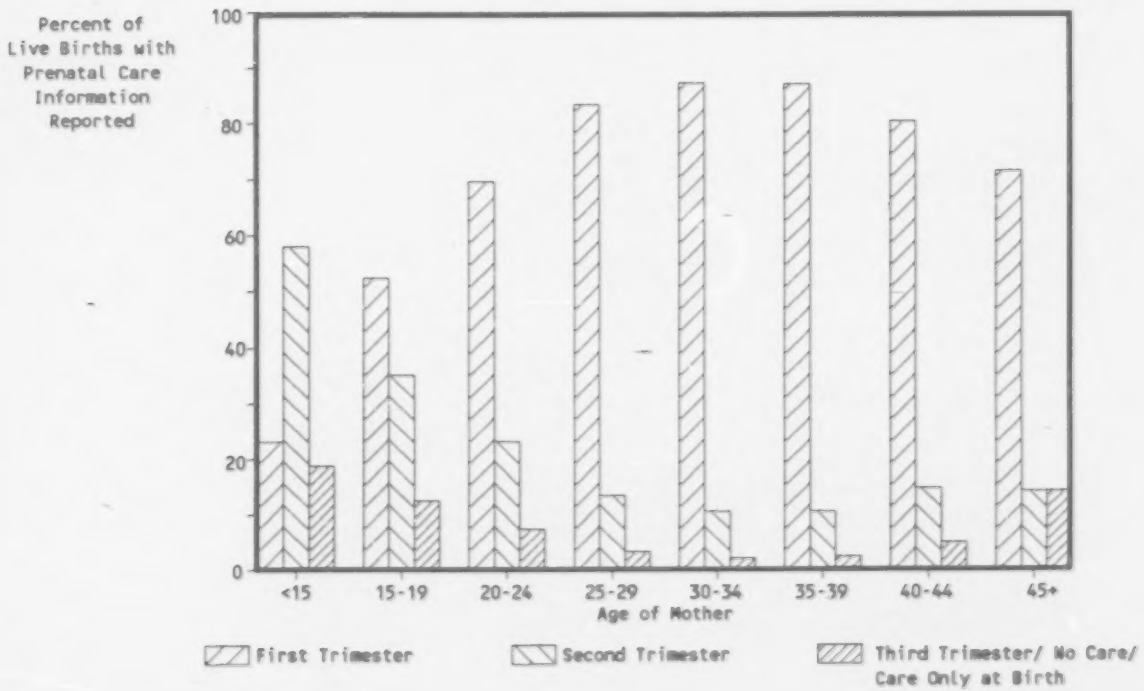


Table 23. Month and Trimester Prenatal Care Began by Age of Mother: Colorado Residents, 1988

	Age of Mother									
	Total	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown/ Not Stated
Total	53,346	71	5,615	13,474	17,254	12,060	4,265	582	22	3
Month Care Began										
First	8,526	2	331	1,586	3,062	2,522	910	111	2	0
Second	21,052	4	1,221	4,705	7,574	5,466	1,858	217	7	0
Third	11,315	10	1,326	2,944	3,601	2,399	896	133	6	0
Fourth	4,622	17	811	1,476	1,244	758	265	49	2	0
Fifth	2,660	8	657	920	623	319	111	21	1	0
Sixth	1,841	15	467	677	411	188	68	15	0	0
Seventh	1,207	5	327	439	258	119	43	14	2	0
Eighth	680	2	192	270	130	56	24	6	0	0
Ninth	256	3	76	82	59	24	9	2	1	0
Trimester Care Began										
First Trimester	40,893	16	2,878	9,235	14,237	10,387	3,664	461	15	0
Second Trimester	9,123	40	1,935	3,073	2,278	1,265	444	85	3	0
Third Trimester	2,143	10	595	791	447	199	76	22	3	0
Unknown/Not Stated	715	2	115	189	185	154	58	8	1	3
No Care/Care Only at Delivery	472	3	92	186	107	55	23	6	0	0
Percent										
Month Care Began										
First	16.2	2.9	6.0	11.9	17.9	21.2	21.6	19.3	9.5	0.0
Second	40.0	5.8	22.2	35.4	44.4	45.9	44.2	37.8	33.3	0.0
Third	21.5	14.5	24.1	22.2	21.1	20.1	21.3	23.2	28.6	0.0
Fourth	8.8	24.6	14.7	11.1	7.3	6.4	6.3	8.5	9.5	0.0
Fifth	5.1	11.6	11.9	6.9	3.6	2.7	2.6	3.7	4.8	0.0
Sixth	3.5	21.7	8.5	5.1	2.4	1.6	1.6	2.6	0.0	0.0
Seventh	2.3	7.2	5.9	3.3	1.5	1.0	1.0	2.4	9.5	0.0
Eighth	1.3	2.9	3.5	2.0	0.8	0.5	0.6	1.0	0.0	0.0
Ninth	0.5	4.3	1.4	0.6	0.3	0.2	0.2	0.3	4.8	0.0
Trimester Care Began										
First Trimester	77.7	23.2	52.3	69.5	83.4	87.2	87.1	80.3	71.4	0.0
Second Trimester	17.3	58.0	35.2	23.1	13.3	10.6	10.6	14.8	14.3	0.0
Third Trimester	4.1	14.5	10.8	6.0	2.6	1.7	1.8	3.8	14.3	0.0
No Care/Care Only at Delivery	0.9	4.3	1.7	1.4	0.6	0.5	0.5	1.0	0.0	0.0

Percentages are of live births with prenatal care reported.

Table 24. Prenatal Visits by Age of Mother: Colorado Residents, 1988

Number of Visits	Total	Age of Mother 13-14	15-17	18-19	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown/ Not Stated
Total Live Births	53,346	71	1,943	3,672	71	5,615	13,474	17,254	12,060	4,265	582	22	3
0	698	4	54	96	4	150	260	155	86	33	10	0	0
1	329	2	27	61	2	88	115	72	39	11	2	0	0
2	466	3	54	74	3	128	174	98	41	17	4	1	0
3	644	6	58	85	6	143	276	129	66	18	5	1	0
4	915	5	84	129	5	213	342	213	99	37	5	1	0
5	1,229	4	113	174	4	287	438	287	138	60	13	2	0
6	1,602	5	145	220	5	365	534	385	225	80	8	0	0
7	1,848	3	107	221	3	328	604	494	284	113	21	1	0
8	3,078	4	167	286	4	453	855	923	577	232	33	1	0
9	3,321	8	149	279	8	428	852	1,032	741	231	28	1	0
10	6,436	8	216	457	8	673	1,642	2,137	1,420	488	67	1	0
11	4,533	7	142	289	7	431	1,131	1,514	1,065	345	37	3	0
12	10,314	5	254	519	5	773	2,391	3,686	2,524	822	107	6	0
13	3,596	2	97	171	2	268	867	1,233	889	302	34	1	0
14	4,768	0	71	155	0	226	904	1,704	1,349	513	71	1	0
15	4,571	1	104	193	1	297	927	1,522	1,254	505	64	1	0
16	1,350	0	16	64	0	80	314	490	333	110	23	0	0
17	570	0	11	26	0	37	146	206	128	46	7	0	0
18	578	1	7	32	1	39	119	185	164	65	5	0	0
19+	1,951	2	49	103	2	152	445	637	500	184	31	0	0
Unknown	549	1	18	38	1	56	138	152	138	53	7	1	3

Table 25. Live Births by Month and Trimester Prenatal Care Began and Number of Prenatal Visits: Colorado Residents, 1988

Number of Prenatal Visits	Total	Month Care Began									No Care/ Only at Delivery	Unknown/ Not Stated
		First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth		
Total	53,346	8,526	21,052	11,315	4,622	2,660	1,841	1,207	680	256	472	715
0	698	1	1	6	3	0	1	2	2	7	468	207
1	329	13	26	28	14	22	29	28	73	94	1	1
2	466	7	35	47	44	47	53	65	94	64	0	10
3	644	20	43	64	55	70	90	128	127	39	1	7
4	915	27	70	100	102	121	165	173	120	27	0	10
5	1,229	38	133	166	186	198	214	190	89	8	0	7
6	1,602	56	225	297	267	252	232	178	81	1	0	13
7	1,848	69	362	406	339	283	189	144	45	3	0	8
8	3,078	157	766	771	552	388	304	105	25	2	0	8
9	3,321	229	1,038	973	511	311	159	76	6	1	0	17
10	6,436	563	2,461	1,931	837	377	175	65	7	4	0	16
11	4,533	431	1,997	1,434	416	164	59	12	6	0	0	14
12	10,314	1,995	5,241	2,170	587	209	74	18	2	3	0	15
13	3,596	652	1,862	769	210	59	31	6	0	0	0	7
14	4,768	850	2,778	905	168	38	16	3	0	1	0	9
15	4,571	2,149	1,625	572	144	51	21	6	2	0	0	1
16	1,350	314	715	231	65	19	5	0	0	0	0	1
17	570	123	329	79	25	10	3	0	0	0	0	1
18	578	162	304	79	22	8	1	1	0	0	0	1
19+	1,951	648	958	246	61	23	10	2	0	0	0	3
Unknown/ Not Stated	549	22	83	41	14	10	10	5	1	2	2	359

Number of Prenatal Visits	Total	Trimester Care Began		
		First	Second	Third
Total	40,893	9,123	2,143	
0	8	4	11	
1	67	65	195	
2	89	144	223	
3	127	215	294	
4	197	388	320	
5	337	598	287	
6	578	751	260	
7	837	811	192	
8	1,694	1,244	132	
9	2,240	981	83	
10	4,955	1,389	76	
11	3,862	639	18	
12	9,406	870	23	
13	3,283	300	6	
14	4,533	222	4	
15	4,346	216	8	
16	1,260	89	0	
17	531	38	0	
18	545	31	1	
19+	1,852	94	2	
Unknown/ Not Stated	146	34	8	

Education of Mother

In 1988, 83.0 percent of Colorado women giving birth who reported educational attainment were high school graduates or had more advanced educations. This figure has ranged between 82.0 percent and 83.0 percent since 1983. Nationally, 79.6 percent of mothers had at least high school educations in 1986, the most recent year for which this information was available. Higher educational levels in Colorado become more apparent when Colorado mothers who are college graduates were compared to U.S. figures. In Colorado, 22.7 percent of mothers reporting education in 1988 were college graduates, compared to 17.1 percent of U.S. mothers in 1986.

Mother's education varied considerably when analyzed by race of child in Colorado. In 1988, 88.8 percent of mothers of Anglo white (non-Spanish surname) babies reported 12 or more years of education. Asians reported at least a high school education in 81.2 percent of births, followed by blacks with 79.5 percent, native Americans with 71.6 percent, and Spanish surname whites with 56.2 percent reporting 12 or more years of school.

Higher proportions of births to teen mothers in the black and Hispanic categories were only partially responsible for these differences. Among women aged 20 and older, 92.3 percent of Anglo white births, 86.7 percent of black births and 63.7 percent of Spanish surname white births had mothers with at least a high school education. Table 26 shows live births by age and education of mother and race of child for Colorado residents in 1988.

Table 26. Live Births by Age and Education of Mother and Race of Child: Colorado Residents, 1988

Age of Mother/ Race of Child	Total	Years of Education 0-8	9-11	12	13-15	16+	Unknown/Not Stated	<12	12+
All Races									
Total	53,346	1,254	7,773	19,147	12,793	12,007	372	9,027	43,947
<15	71	49	20	0	0	0	2	69	0
15-19	5,615	277	3,147	1,914	219	3	55	3,424	2,136
20-24	13,474	347	2,680	6,716	3,055	596	80	3,027	10,367
25-29	17,254	298	1,316	6,471	4,952	4,116	101	1,614	15,539
30-34	12,060	183	481	3,169	3,297	4,850	80	664	11,316
35-39	4,265	76	105	751	1,145	2,146	42	181	4,042
40-44	582	21	24	119	121	289	8	45	529
45+	22	3	0	7	4	7	1	3	18
Unk/Not Stated	3	0	0	0	0	0	3	0	0
Total White									
Total	51,213	1,089	6,893	17,133	11,587	11,291	220	7,982	40,011
<15	49	34	14	0	0	0	1	48	0
15-19	4,883	251	2,755	1,646	190	2	39	3,006	1,838
20-24	11,971	307	2,418	5,955	2,701	542	48	2,725	9,198
25-29	15,711	255	1,175	5,886	4,486	3,846	63	1,430	14,218
30-34	11,121	159	417	2,859	3,044	4,596	46	576	10,499
35-39	3,923	63	92	670	1,050	2,029	19	155	3,749
40-44	538	18	22	113	112	270	3	40	495
45+	16	2	0	4	4	6	0	2	14
Unk/Not Stated	1	0	0	0	0	0	1	0	0
Anglo White									
Total	40,183	347	4,144	14,050	10,583	10,904	155	4,491	35,537
<15	21	13	8	0	0	0	0	21	0
15-19	3,142	125	1,636	1,196	157	1	27	1,761	1,354
20-24	9,194	95	1,457	4,726	2,380	507	29	1,552	7,613
25-29	13,635	62	735	4,989	4,115	3,687	47	797	12,791
30-34	10,067	36	248	2,465	2,833	4,453	32	284	9,751
35-39	3,631	14	48	574	990	1,989	16	62	3,553
40-44	480	2	12	96	105	262	3	14	463
45+	12	0	0	4	3	5	0	0	12
Unk/Not Stated	1	0	0	0	0	0	1	0	0

Age of Mother/ Race of Child	Total	Years of Education 0-8	9-11	12	13-15	16+	Unknown/Not Stated	<12	12+
Spanish Surname White									
Total	8,030	742	2,749	3,083	1,004	387	65	3,491	4,474
<15	28	21	6	0	0	0	1	27	0
15-19	1,741	126	1,119	450	33	1	12	1,245	484
20-24	2,777	212	961	1,229	321	35	19	1,173	1,585
25-29	2,076	193	440	897	371	159	16	633	1,427
30-34	1,054	123	169	394	211	143	14	292	748
35-39	292	49	44	96	60	40	3	93	196
40-44	58	16	10	17	7	8	0	26	32
45+	4	2	0	0	1	1	0	2	2
Unk/Not Stated	0	0	0	0	0	0	0	0	0
Total Non-White									
Total	5,048	163	879	2,006	1,202	705	93	1,042	3,913
<15	22	15	6	0	0	0	1	21	0
15-19	724	26	392	267	29	1	9	418	297
20-24	1,493	40	261	759	353	54	26	301	1,166
25-29	1,515	41	141	581	465	267	20	182	1,313
30-34	914	24	64	309	251	248	18	88	808
35-39	331	13	13	81	95	116	13	26	292
40-44	43	3	2	6	9	18	5	5	33
45+	6	1	0	3	0	1	1	1	4
Unk/Not Stated	0	0	0	0	0	0	0	0	0
Black									
Total	3,160	38	604	1,347	829	318	24	642	2,494
<15	16	10	5	0	0	0	1	15	0
15-19	554	14	287	222	26	1	4	301	249
20-24	1,043	7	180	554	261	34	7	187	849
25-29	900	6	86	354	322	127	5	92	803
30-34	492	1	39	176	158	113	5	40	447
35-39	138	0	7	36	57	36	2	7	129
40-44	16	0	0	4	5	7	0	0	16
45+	1	0	0	1	0	0	0	0	1
Unk/Not Stated	0	0	0	0	0	0	0	0	0
Native American									
Total	528	11	137	225	108	41	6	148	374
<15	3	3	0	0	0	0	0	3	0
15-19	85	2	54	28	0	0	1	56	28
20-24	179	3	46	91	35	3	1	49	129
25-29	142	1	26	62	39	13	1	27	114
30-34	89	1	8	37	23	19	1	9	79
35-39	25	1	3	7	9	4	1	4	20
40-44	5	0	0	0	2	2	1	0	4
45+	0	0	0	0	0	0	0	0	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0
Asian									
Total	1,340	104	136	430	262	346	62	240	1,038
<15	3	2	1	0	0	0	0	3	0
15-19	84	9	51	17	3	0	4	60	20
20-24	263	27	34	111	57	17	17	61	185
25-29	468	31	28	165	103	127	14	59	395
30-34	328	20	17	95	68	116	12	37	279
35-39	167	11	3	38	29	76	10	14	143
40-44	22	3	2	2	2	9	4	5	13
45+	5	1	0	2	0	1	1	1	3
Unk/Not Stated	0	0	0	0	0	0	0	0	0

Births to Unmarried Women

Live births to unmarried women increased to 19.5 percent of total Colorado resident births in 1988, the highest Colorado has ever experienced. The upward trend in births to unmarried women extends from the 1940s throughout the U.S. as a whole, with U.S. ratios exceeding Colorado ratios every year since 1967. In 1986, 23.4 percent of all U.S. births were to unmarried women. Table 27 presents births to unmarried women for selected years between 1930 and 1988 for Colorado and the United States. Ratios in this table are expressed per 1,000 live births. Figure 13 compares Colorado and U.S. percentages of live births to unmarried women from 1960 to 1988.

In 1988, ratios of births to unmarried women were highest among mothers of black infants, 45.4 percent of whom were not married. Proportions were also high for mothers of white Spanish surname babies, with 38.8 percent in the unmarried category. Of total Anglo white births, 13.8 percent were to unmarried mothers. Table 28 shows Colorado resident live births to unmarried women by age group of mother and race of child in 1988. Table 21 already has presented number and percent of births to unmarried women by single-year age of mother in 1988.

The median age of unmarried women giving birth was 21.0 years, down slightly from 21.8 years in 1986 and 1987. The mean age of unmarried mothers has remained fairly stable over the past four years, at 22.6 in 1988, 22.5 in 1986 and 1987 and 22.4 in 1985. The mode was 19 years.

Ratios predictably were highest in all race groups among teen mothers. Among teens, ratios remained lowest for Anglo whites and highest for blacks. Of total black births in the 15-19 age category, 82.7 percent were to unmarried mothers, as compared with 70.5 percent of the Spanish surname white births and 57.5 percent of the Anglo white births. Among Anglo and Spanish surname white births, ratios decreased for each succeeding age group to the 30-34 category, which had the lowest ratios of any age for whites in 1988. Ratios increased for Anglo white mothers beyond age 34. This pattern contrasted with trends among the black and Spanish surname white populations, who experienced lower ratios of births to unmarried women within the 35-39 age category.

Congenital Anomalies

Table 29 presents congenital anomalies reported on Colorado resident birth certificates in 1988. Of total live births in 1988, 0.8 percent (453 births) had congenital anomalies mentioned. Reporting of congenital anomalies is incomplete in birth records even for apparently obvious anomalies. These data represent only a partial accounting of birth defects in the state.

Apgar Score

The Apgar score is a summary measure used to evaluate a newborn's condition at birth. Named after the originator of the method, Dr. Virginia Apgar, the total is the sum of scores for five factors (heart rate, respiratory effort, muscle tone, irritability and color), each of which is assigned a value from zero to two. A total score of ten is optimum.

Apgar scores are determined at one minute and five minutes after birth. Five-minute Apgar scores are considered to be better predictors of survival ability than one-minute scores. The overall efficacy of the score as a predictor of long-term survival, however, is disputed.

Table 30 presents 5-minute Apgar scores for Colorado resident live births by age of mother and race of child in 1988. Of the births for which Apgar scores were reported, 84.7 percent had high scores of 9 or 10. The national average for high scores in 1986 was 88.0 percent.

Apgar scores of nine or ten were most frequently reported for births to Colorado women aged 30-34 (85.7 percent), followed by mothers 25-29 (85.4 percent) and women in the 35-39 age bracket (85.1 percent). The lowest proportion of high scores was reported for women under 15 (77.5 percent).

Women under 20 and women over 40 had the highest frequency of Apgar scores totaling less than seven, indicating a newborn in some distress. Scores under seven were reported for 2.0 percent of births to mothers under age 20 and 2.2 percent of births to women aged 40 and over. Of total Colorado resident births with Apgar scores reported, 1.5 percent had scores under seven.

Examining Apgar scores by race and Spanish surname, 86.3 percent of Asian births, 84.8 percent of Anglo white births, 84.2 percent of Native American and Spanish surname white births, and 83.1 percent of black births had Apgar scores above 8. Low scores of less than seven were reported most frequently for black births (2.4

percent). Native American births in Colorado had the lowest percentage of low Apgar scores at 0.8 percent. Anglo white and Asian births reporting Apgar scores averaged 1.4 percent low scores, followed by Spanish surname white births with 1.6 percent under seven.

Table 27. Live Births to Unmarried Women: Colorado Residents and United States, Selected Years, 1930-1988

Year	Colorado Number	Colorado Ratio	U.S. Ratio	Year	Colorado Number	Colorado Ratio	U.S. Ratio
1930	442	23.5	32.7	1972	3,753	97.3	123.7
				1973	3,849	100.0	129.8
1940	436	20.4	37.9	1974	3,976	101.9	132.3
				1975	4,244	105.7	142.5
1950	1,019	30.1	39.8	1976	4,465	109.0	147.8
				1977	4,903	113.9	155.0
1960	1,785	41.6	52.7	1978	5,343	121.3	163.2
1961	1,955	43.8	56.3	1979	5,853	124.1	171.1
1962	2,181	50.0	58.8				
1963	2,339	55.5	63.3	1980	6,465	130.0	184.3
1964	2,602	64.2	68.5	1981	7,016	135.0	189.2
1965	3,018	81.9	77.4	1982	7,760	141.6	194.3
1966	3,016	86.4	83.9	1983	7,920	144.9	202.8
1967	3,139	89.3	90.3	1984	8,289	152.5	210.0
1968	3,172	86.1	96.9	1985	9,151	166.0	220.2
1969	3,686	94.1	100.2	1986	9,926	180.0	233.9
				1987	10,167	189.0	-
1970	3,982	96.0	106.9	1988	10,425	195.4	-
1971	3,831	94.9	112.9				

Ratios are births to unmarried women per 1,000 total live births. U.S. data are from the National Center for Health Statistics.

Figure 13. Percentage of Live Births to Unmarried Women: Colorado Residents and United States, 1960-1988

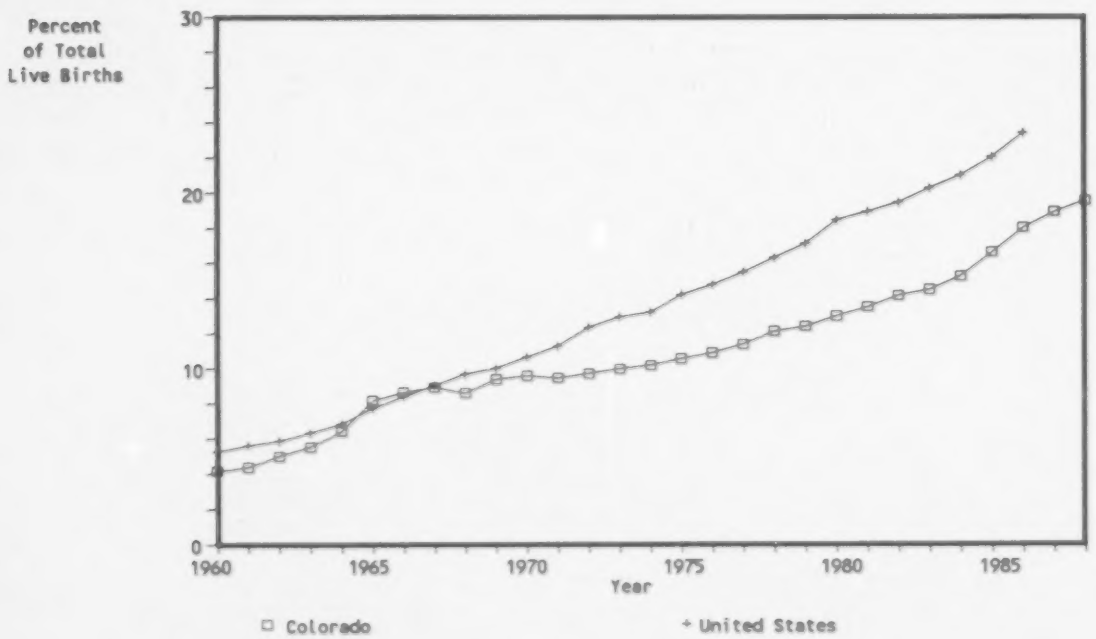


Table 28. Live Births and Ratios of Live Births to Unmarried Women by Age of Mother and Race of Child: Colorado Residents, 1988

Age of Mother	Live Births	Race of Child						
		Total White	Anglo White	Spanish Surname	Black	All Other	Unknown/ Not Stated	Spanish Origin
Total Live Births								
All Ages	53,346	48,213	40,183	8,030	3,160	1,888	85	7,962
Under 15	71	49	21	28	16	6	0	25
15-19	5,615	4,883	3,142	1,741	554	170	8	1,703
20-24	13,474	11,971	9,194	2,777	1,043	450	10	2,748
25-29	17,254	15,711	13,635	2,076	900	615	28	2,073
30-34	12,060	11,121	10,067	1,054	492	422	25	1,058
35-39	4,265	3,923	3,631	292	138	193	11	294
40-44	582	538	480	58	16	27	1	57
45+	22	16	12	4	1	5	0	4
Unknown/ Not Stated	3	1	1	0	0	0	2	0
Births to Unmarried Women								
All Ages	10,425	8,663	5,549	3,114	1,435	304	23	3,091
Under 15	68	47	20	27	16	5	0	24
15-19	3,581	3,034	1,806	1,228	458	82	7	1,195
20-24	3,634	3,002	1,878	1,124	523	104	5	1,104
25-29	1,861	1,526	1,065	461	268	62	5	469
30-34	898	728	521	207	133	34	3	217
35-39	316	265	212	53	36	14	1	62
40-44	57	54	42	12	0	3	0	17
45+	7	6	4	2	1	0	0	3
Unknown/ Not Stated	3	1	1	0	0	0	2	0
Ratio of Births to Unmarried Women								
All Ages	195.4	179.7	138.1	387.8	454.1	161.0	270.6	388.2
Under 15	957.7	959.2	952.4	964.3	1000.0	833.3	-	960.0
15-19	637.8	621.3	574.8	705.3	826.7	482.4	875.0	701.7
20-24	269.7	250.8	204.3	404.8	501.4	231.1	500.0	401.7
25-29	107.9	97.1	78.1	222.1	297.8	100.8	178.6	226.2
30-34	74.5	65.5	51.8	196.4	270.3	80.6	120.0	205.1
35-39	74.1	67.6	58.4	181.5	260.9	72.5	90.9	210.9
40-44	97.9	100.4	87.5	206.9	0.0	111.1	0.0	298.2
45+	318.2	375.0	333.3	500.0	1000.0	0.0	-	750.0
Unknown/ Not Stated	1,000.0	1,000.0	1,000.0	-	-	-	1,000.0	-

Spanish origin is independent of race. Ratios are births to unmarried women per 1,000 live births. Ratios based on few actual cases must be viewed with caution.

Table 29. Congenital Anomalies Reported on Birth Certificates: Colorado Residents, 1988

ICD9 Code	Anomaly	Births
Total		453
740	Anencephalus and Similar Anomalies	2
740.0	Anencephalus	2
740.1	Craniorachischisis	-
740.2	Iniencephaly	-
741	Spina Bifida	8
741.0	With Hydrocephalus	3
741.9	Without Mention of Hydrocephalus	5
742	Other Anomalies of Nervous System	6
742.0	Encephalocele	1
742.1	Microcephalus	-
742.2	Reduction Deformities of Brain	-
742.3	Congenital Hydrocephalus	4
742.4	Other Specified Anomalies of Brain	-
742.5	Other Spec. Anomalies of Spinal Cord	-
742.8	Other Spec. Anomalies of Nervous Sys.	1
742.9	Unspecified Anomalies of Nervous Sys.	-
743	Congenital Anomalies of Eye	6
743.0	Anophthalmos	1
743.1	Microphthalmos	-
743.2	Buphthalmos	-
743.3	Congenital Cataract & Lens Anomalies	1
743.4	Coloboma & Anterior Segment Anomalies	1
743.5	Anomalies of Posterior Segment	1
743.6	Eyelids, Lacrimal System & Orbit	-
743.8	Other Specified Anomalies of Eye	2
743.9	Unspecified Anomalies of Eye	-
744	Anomalies of Ear, Face & Neck	6
744.0	Of Ear, Causing Impairment of Hearing	1
744.1	Accessory Auricle	1
744.2	Other Specified Anomalies of Ear	2
744.3	Unspecified Anomalies of Ear	2
744.4	Branchial Cleft, Cyst, or Fistula, Preauricular Sinus	-
744.5	Webbing of Neck	-
744.8	Other Spec. Anomalies of Face & Neck	-
744.9	Unspecified Anomalies of Face & Neck	-
745	Bulbus Cordis Anomalies & Anomalies of Cardiac Septal Closure	7
745.0	Common Truncus	1
745.1	Transposition of Great Vessels	2
745.2	Tetralogy of Fallot	-
745.3	Common Ventricle	-
745.4	Ventricular Septal Defect	3
745.5	Ostium Secundum Type Atrial Septal Defect	1
745.6	Endocardial Cushion Defects	-
745.7	Cor Biloculare	-
745.8	Other Defect of Septal Closure	-
745.9	Unspecified Defect of Septal Closure	-
746	Other Congenital Anomalies of Heart	26
746.0	Anomalies of Pulmonary Valve	-
746.1	Tricuspid Atresia & Stenosis, Congenital	-
746.2	Ebstein's Anomaly	1
746.3	Congenital Stenosis of Aortic Valve	3
746.4	Congenital Insufficiency of Aortic Valve	-
746.5	Congenital Mitral Stenosis	-
746.6	Congenital Mitral Insufficiency	-
746.7	Hypoplastic Left Heart Syndrome	5
746.8	Other Specified Anomalies of Heart	5
746.9	Unspecified Anomalies of Heart	12
747	Other Anomalies of Circulatory System	7
747.0	Patent Ductus Arteriosus	2
747.1	Coarctation of Aorta	2
747.2	Other Anomalies of Aorta	-
747.3	Anomalies of Pulmonary Artery	-
747.4	Anomalies of Great Veins	-
747.5	Absence or Hypoplasia of Umbilical Artery	3
747.6	Other Anom of Peripheral Vascular System	-
747.8	Other Specified Anomalies of Circulatory System	-
747.9	Unspecified Anomalies of Circ. System	-
748	Congenital Anomalies of Respiratory System	10
748.0	Choanal Atresia	-
748.1	Other Anomalies of Nose	2
748.2	Web of Larynx	-
748.3	Other Anom of Larynx, Trachea & Bronchus	2
748.4	Congenital Cystic Lung	1
748.5	Agenesis, Hypoplasia & Dysplasia of Lung	2
748.6	Other Anomalies of Lung	3
748.8	Other Specified Anomalies of Resp. System	-
748.9	Unspecified Anomalies of Resp. System	-
749	Cleft Palate & Cleft Lip	40
749.0	Cleft Palate	9
749.1	Cleft Lip	14
749.2	Cleft Palate with Cleft Lip	17
750	Other Congenital Anomalies of Upper Alimentary Tract	10
750.0	Tongue Tie	2
750.1	Other Anomalies of Tongue	-

Table 29, Continued.

ICD9 Code	Anomaly	Births
750.2	Other Spec. Anomalies of Mouth & Pharynx	1
750.3	Tracheo-Oesophageal Fistula, Oesophageal Atresia, & Stenosis	6
750.4	Other Spec. Anomalies of Oesophagus	-
750.5	Congenital Hypertrophic Pyloric Stenosis	-
750.6	Congenital Hiatus Hernia	-
750.7	Other Specified Anomalies of Stomach	-
750.8	Other Spec. Anomalies of Upper Alimentary	-
750.9	Unspec. Anomalies of Upper Alimentary	1
751	Other Anomalies of Digestive system	6
751.0	Meckel's Diverticulum	-
751.1	Atresia & Stenosis of Small Intestine	2
751.2	Atresia & Stenosis of Large Intestine Rectum and Anal Canal	3
751.3	Hirschsprung's Disease & Other Cong. Functional Disorders of Colon	-
751.4	Anomalies of Intestinal Fixation	-
751.5	Other Anomalies of Intestine	-
751.6	Anomalies of Gallbladder, Bile Ducts, & Liver	1
751.7	Anomalies of Pancreas	-
751.8	Other Spec. Anomalies of Dig. System	-
751.9	Unspecified Anomalies of Dig. System	-
752	Anomalies of Genital Organs	43
752.0	Anomalies of the Ovaries	-
752.1	Of Fallopian Tubes & Broad Ligaments	-
752.2	Doubling of Uterus	-
752.3	Other Anomalies of Uterus	-
752.4	Anomalies of Cervix, Vagina, & External Female Genitalia	-
752.5	Undescended Testicle	7
752.6	Hypospadias & Epispadias	30
752.7	Indeterminate Sex & Pseudohermaphroditism	1
752.8	Other Specified Anomalies of Genitals	3
752.9	Unspecified Anomalies of Genitals	2
753	Anomalies of Urinary System	17
753.0	Renal Agenesis & Dysgenesis	4
753.1	Cystic Kidney Disease	5
753.2	Obstructive Defects Renal Pelvis & Ureter	5
753.3	Other Specified Anomalies of Kidney	1
753.4	Other Specified Anomalies of Ureter	-
753.5	Exstrophy of Urinary Bladder	-
753.6	Atresia & Stenosis Urethra, Bladder Neck	-
753.7	Anomalies of Urachus	-
753.8	Other Specified Anom of Bladder & Urethra	-
753.9	Unspecified Anomalies of Urinary System	2
754	Certain Congenital Musculoskeletal Deformities	36
754.0	Of Skull, Face, & Jaw	-
754.1	Of Strenocleidomastoid Muscle	-
754.2	Deformities of Spine	-
754.3	Congential Dislocation of Hip	15
754.4	Congenital Genu Recurvatum & Bowing of Long Bones of Leg	1
754.5	Varus Deformities of Feet	1
754.6	Valgus Deformities of Feet	-
754.7	Other Deformities of Feet	17
754.8	Other Specified Musculoskeletal Deformities	2
755	Other Anomalies of Limbs	71
755.0	Polydactyly	20
755.1	Syndactyly	9
755.2	Reduction Deformities of Upper Limb	10
755.3	Reduction Deformities of Lower Limb	-
755.4	Reduction Deformities, Unspecified Limb	2
755.5	Anomalies of Upper Limb & Shoulder Girdle	7
755.6	Anomalies of Lower Limb & Pelvic Girdle	16
755.8	Other Spec. Anomalies of Unspec. Limb	6
755.9	Unspecified Anomalies of Unspecified Limb	1
756	Other Musculoskeletal Anomalies	21
756.0	Anomalies of Skull & Face Bones	5
756.1	Anomalies of Spine	-
756.2	Cervical Rib	-
756.3	Other Anomalies of Rib & Sternum	1
756.4	Chondrodystrophy	-
756.5	Osteodystrophies	1
756.6	Anomalies of Diaphragm	5
756.7	Anomalies of Adominal Wall	8
756.8	Other Specified Anomalies of Muscle, Tendon, Fascia, & Connective Tissue	1
756.9	Unspecified Musculoskeletal Anomalies	-
757	Anomalies of the Integument	44
757.0	Hereditary Oedema of Legs	-
757.1	Ichthyosis Congenita	-
757.2	Dermatoglyphic Anomalies	-
757.3	Other Specified Anomalies of Skin	33
757.4	Specified Anomalies of Hair	-
757.5	Specified Anomalies of Nails	1
757.6	Specified Anomalies of Breast	1
757.8	Other Spec. Anomalies of the Integument	1
757.9	Unspecified Anomalies of the Integument	8
758	Chromosomal Anomalies	23
758.0	Down's Syndrome	10
758.1	Patau's Syndrome	2
758.2	Edward's Syndrome	4
758.3	Autosomal Deletion Syndromes	-
758.4	Balanced Autosomal Translocation	1
758.5	Other Conditions of Autosomal Anomalies	1
758.6	Gonadal Dysgenesis	-
758.7	Klinefelter's Syndrome	1
758.8	Other Sex Chromosome Anomalies	-
758.9	Unspecified Chromosome Anomalies	4
759	Other & Unspecified Anomalies	64
759.0	Anomalies of Spleen	-
759.1	Anomalies of Adrenal Gland	-
759.2	Anomalies of Other Endrocrine Glands	-
759.3	Situs Inversus	1
759.4	Conjoined Twins	-
759.5	Tuberous Sclerosis	-
759.6	Other Hamartoses, Not Listed Elsewhere	-
	Multiple Congenital Anomalies	50
759.8	Other Specified Anomalies	13
759.9	Congenital Anomaly, Unspecified	-

Congenital anomalies of all degrees of severity are underreported on birth certificates.

Table 30. Live Births by Five-Minute Apgar Score, Age of Mother and Race of Child: Colorado Residents, 1988

Age of Mother/ Race of Child	Five-Minute Apgar Score												
	Total	0	1	2	3	4	5	6	7	8	9	10	Not Stated
All Races													
Total	53,346	35	85	50	49	70	153	330	1,121	6,238	41,940	2,948	327
<15	71	0	0	0	0	0	1	0	3	12	54	1	0
15-19	5,615	6	7	12	2	10	20	53	148	753	4,292	270	42
20-24	13,474	13	26	11	17	17	31	83	320	1,631	10,538	707	80
25-29	17,254	7	28	16	16	21	55	96	334	1,936	13,652	997	96
30-34	12,060	6	17	8	7	15	35	70	221	1,338	9,591	680	72
35-39	4,265	3	6	2	7	5	7	23	87	493	3,348	256	28
40-44	582	0	1	0	0	2	4	5	8	72	450	36	4
45+	22	0	0	1	0	0	0	0	0	3	15	1	2
Unk/Not Stated	3	0	0	0	0	0	0	0	0	0	0	0	3
Total White													
Total	48,213	31	69	40	45	62	136	292	1,016	5,637	37,851	2,767	267
<15	49	0	0	0	0	0	1	0	3	9	36	0	0
15-19	4,883	6	7	12	2	10	18	44	131	650	3,727	250	26
20-24	11,971	10	19	6	15	15	25	73	286	1,470	9,325	661	66
25-29	15,711	7	24	15	15	19	51	86	306	1,760	12,410	938	80
30-34	11,121	5	14	6	6	12	31	63	204	1,222	8,857	636	65
35-39	3,923	3	4	1	7	4	6	21	78	459	3,070	246	24
40-44	538	0	1	0	0	2	4	5	8	64	415	35	4
45+	16	0	0	0	0	0	0	0	0	3	11	1	1
Unk/Not Stated	1	0	0	0	0	0	0	0	0	0	0	0	1
Anglo White													
Total	40,183	23	54	35	37	50	107	242	855	4,659	31,497	2,396	228
<15	21	0	0	0	0	0	1	0	2	4	14	0	0
15-19	3,142	4	5	10	2	6	7	22	94	401	2,384	190	17
20-24	9,194	8	14	5	11	11	20	62	231	1,156	7,086	533	57
25-29	13,635	6	17	13	12	17	39	80	267	1,514	10,760	842	68
30-34	10,067	3	13	6	5	11	30	56	183	1,102	8,025	575	58
35-39	3,631	2	4	1	7	4	6	19	72	424	2,844	225	23
40-44	480	0	1	0	0	1	4	3	6	57	373	31	4
45+	12	0	0	0	0	0	0	0	0	1	11	0	0
Unk/Not Stated	1	0	0	0	0	0	0	0	0	0	0	0	1
Spanish Surname White													
Total	8,030	8	15	5	8	12	29	50	161	978	6,354	371	39
<15	28	0	0	0	0	0	0	0	1	5	22	0	0
15-19	1,741	2	2	2	0	4	11	22	37	249	1,343	60	9
20-24	2,777	2	5	1	4	4	5	11	55	314	2,239	128	9
25-29	2,076	1	7	2	3	2	12	6	39	246	1,650	96	12
30-34	1,054	2	1	0	1	1	1	7	21	120	832	61	7
35-39	292	1	0	0	0	0	0	2	6	35	226	21	1
40-44	58	0	0	0	0	1	0	2	2	7	42	4	0
45+	4	0	0	0	0	0	0	0	0	2	0	1	1
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 30, Continued.

Age of Mother/ Race of Child	Five-Minute Apgar Score												
	Total	0	1	2	3	4	5	6	7	8	9	10	Not Stated
Total Non-White													
Total	5,048	4	16	10	4	8	17	38	105	591	4,024	174	57
<15	22	0	0	0	0	0	0	0	0	3	18	1	0
15-19	724	0	0	0	0	0	2	9	17	103	558	20	15
20-24	1,493	3	7	5	2	2	6	10	34	161	1,204	45	14
25-29	1,515	0	4	1	1	2	4	10	28	173	1,219	57	16
30-34	914	1	3	2	1	3	4	7	17	112	716	41	7
35-39	331	0	2	1	0	1	1	2	9	32	270	9	4
40-44	43	0	0	0	0	0	0	0	0	7	35	1	0
45+	6	0	0	1	0	0	0	0	0	0	4	0	1
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Black													
Total	3,160	3	14	8	4	7	13	26	60	393	2,513	82	37
<15	16	0	0	0	0	0	0	0	0	2	14	0	0
15-19	554	0	0	0	0	0	2	7	12	77	427	16	13
20-24	1,043	2	7	4	2	2	4	7	20	118	851	18	8
25-29	900	0	4	1	1	2	3	6	15	110	717	30	11
30-34	492	1	2	1	1	2	3	4	10	72	378	14	4
35-39	138	0	1	1	0	1	1	2	3	12	112	4	1
40-44	16	0	0	0	0	0	0	0	0	2	14	0	0
45+	1	0	0	1	0	0	0	0	0	0	0	0	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Native American													
Total	528	1	0	1	0	0	0	2	12	67	415	27	3
<15	3	0	0	0	0	0	0	0	0	1	1	1	0
15-19	85	0	0	0	0	0	0	1	2	15	66	1	0
20-24	179	1	0	1	0	0	0	0	6	22	134	13	2
25-29	142	0	0	0	0	0	0	0	1	15	121	5	0
30-34	89	0	0	0	0	0	0	1	1	11	68	7	1
35-39	25	0	0	0	0	0	0	0	2	2	21	0	0
40-44	5	0	0	0	0	0	0	0	0	1	4	0	0
45+	0	0	0	0	0	0	0	0	0	0	0	0	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Asian													
Total	1,340	0	2	1	0	1	4	10	33	130	1,077	65	17
<15	3	0	0	0	0	0	0	0	0	0	3	0	0
15-19	84	0	0	0	0	0	0	1	3	11	64	3	2
20-24	263	0	0	0	0	0	2	3	8	20	212	14	4
25-29	468	0	0	0	0	0	1	4	12	48	376	22	5
30-34	328	0	1	1	0	1	1	2	6	29	265	20	2
35-39	167	0	1	0	0	0	0	0	4	18	136	5	3
40-44	22	0	0	0	0	0	0	0	0	4	17	1	0
45+	5	0	0	0	0	0	0	0	0	0	4	0	1
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0

Births by County and Region

Tables 31 through 37 present a variety of birth data by county and region for Colorado in 1988. Information on total live births by county and region is located in the Highlights chapter of this report. Constituent counties of the various regions shown in the tables appear inside the back cover of this report.

Birth rates for 1988 by county appear in Figure 14. Figure 15 presents general fertility rates by county. The effect of small numbers of events or small populations should be considered in any analysis of these figures or other presentations of county-specific data for Colorado.

Table 31.	Live Births and Birth Rates by County and Region: Colorado Residents, 1970, 1975, 1980, 1984-88
Table 32.	Live Births and Fertility Rates by Age Group by County and Region: Colorado Residents, 1988
Table 33.	Live Births by City of Residence and Age of Mother: Colorado Residents, 1988.
Table 34.	Live Births by Race, Spanish Origin and Sex of Child by County and Region: Colorado Residents, 1988
Table 35.	Live Births by Birth Weight by County and Region: Colorado Residents, 1988
Table 36.	Live Births by Trimester Care Began by County and Region: Colorado Residents, 1988
Table 37.	Educational Attainment of Mother and Live-Birth Order by County and Region: Colorado Residents, 1988

Figure 14. Birth Rates by County: Colorado Residents, 1988

Figure 15. Fertility Rates by County: Colorado Residents, 1988

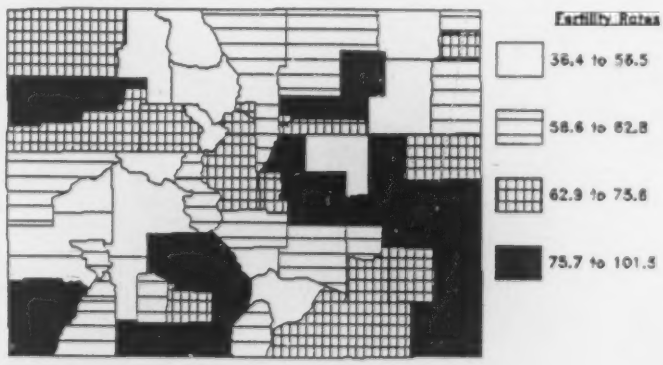


Table 31. Live Births and Birth Rates by County and Region: Colorado Residents, 1970, 1975, 1980, 1984-88

Place	1970		1975		1980		1984		1985		1986		1987		1988	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Colorado	41,480	18.6	40,148	15.5	49,716	17.1	54,339	17.0	55,115	17.1	55,142	16.9	53,803	16.3	53,346	16.2
Adams	3,787	20.2	4,029	18.4	4,773	19.3	5,096	19.2	5,210	19.4	5,101	19.0	5,058	18.7	5,024	18.6
Alamosa	220	19.1	212	17.3	229	19.4	251	20.1	258	20.7	246	19.4	273	21.5	264	20.5
Arapahoe	2,704	16.5	3,296	15.0	4,947	16.6	6,093	16.7	6,458	17.0	6,414	16.7	6,269	16.2	6,269	16.3
Archuleta	52	19.4	56	18.9	76	20.6	108	21.8	101	19.4	96	18.0	88	16.7	91	18.2
Baca	89	15.7	103	18.1	90	16.8	63	12.7	83	17.4	57	12.7	74	16.6	76	16.5
Bent	89	13.7	76	11.9	94	15.9	76	13.0	80	14.0	56	9.8	65	11.9	76	13.9
Boulder	2,360	17.7	2,088	12.5	2,707	14.2	3,231	15.3	3,326	15.8	3,272	15.3	3,251	15.0	3,231	14.6
Chaffee	152	14.8	151	13.3	256	19.3	170	13.4	156	12.8	169	13.7	129	10.5	148	12.3
Cheyenne	39	16.3	46	20.5	32	15.0	56	23.9	55	22.6	35	14.9	37	16.2	48	19.6
Clear Creek	88	17.6	145	23.9	136	18.7	144	19.1	140	18.2	123	15.6	131	17.4	112	15.2
Conejos	160	20.4	146	18.0	192	24.8	150	18.4	143	18.0	137	16.8	137	16.4	133	16.3
Costilla	53	17.2	51	16.2	59	19.5	41	12.6	50	14.9	39	11.8	57	17.0	43	12.6
Crowley	34	11.0	43	12.9	36	12.2	45	14.8	51	15.9	51	15.6	42	12.3	41	9.4
Custer	15	13.2	8	7.0	28	18.7	31	16.2	22	10.5	26	12.3	25	11.9	17	8.3
Delta	212	13.8	234	13.3	359	16.7	338	13.8	323	13.5	290	12.6	259	11.5	236	10.6
Denver	10,044	19.4	7,437	14.9	8,430	17.1	8,918	17.5	8,952	17.5	9,183	17.8	8,856	17.3	8,375	16.7
Dolores	30	18.3	24	15.1	35	21.5	25	15.0	27	17.6	20	13.2	29	19.5	24	15.0
Douglas	149	17.3	154	10.4	346	13.6	591	17.5	679	18.5	772	18.7	853	19.6	991	21.3
Eagle	180	23.4	178	16.6	291	21.8	363	21.5	386	21.2	361	18.9	370	19.1	370	18.4
Elbert	37	9.4	72	14.5	105	15.3	116	14.2	109	12.9	129	14.9	147	15.9	125	12.9
El Paso	5,445	22.8	5,837	19.9	5,805	18.6	6,849	19.3	7,055	19.1	7,592	20.0	7,642	19.4	7,657	19.3
Fremont	309	14.0	307	11.6	401	13.9	385	12.7	364	12.0	401	13.4	364	12.2	350	11.6
Garfield	265	17.7	291	15.6	437	19.1	483	19.2	467	18.6	441	17.3	424	16.6	418	15.9
Gilpin	20	15.3	26	13.9	36	14.9	61	22.5	41	15.1	41	14.6	58	20.8	41	15.5
Grand	80	18.9	127	19.5	152	20.3	137	14.9	144	15.0	157	16.3	122	12.8	104	11.4
Gunnison	131	16.9	96	10.4	149	14.0	118	10.7	140	12.6	149	12.6	126	10.5	129	10.6
Hinsdale	6	29.1	6	17.2	2	5.3	13	27.3	5	13.4	6	16.7	8	20.8	3	8.5
Huerfano	90	13.8	94	14.1	90	14.1	79	11.4	85	11.8	83	11.5	71	10.0	78	11.3
Jackson	46	24.8	30	17.2	31	16.8	22	13.1	28	17.5	19	12.1	20	12.4	17	11.0
Jefferson	4,061	17.1	4,199	13.3	5,629	15.0	6,486	15.9	6,675	16.1	6,811	16.2	6,551	15.5	6,587	15.6
Kiowa	26	12.8	36	17.4	35	18.4	41	21.1	24	12.9	22	12.1	25	14.0	22	12.7
Kit Carson	132	17.4	146	18.9	141	18.7	129	16.2	119	15.3	108	14.2	118	15.6	119	15.6
Lake	225	27.0	144	16.6	247	28.0	119	16.3	109	15.7	94	14.2	89	14.2	82	13.7
La Plata	354	18.3	385	16.3	483	17.8	547	17.9	550	17.8	460	15.3	486	16.1	456	15.0
Larimer	1,615	17.7	1,638	13.6	2,360	15.7	2,711	16.3	2,785	16.4	2,784	16.0	2,660	15.0	2,773	15.4
Las Animas	264	16.7	211	13.4	235	15.8	221	15.0	185	13.0	183	12.9	191	13.2	183	12.8
Lincoln	59	12.1	55	10.9	84	18.3	94	21.0	76	16.5	80	17.9	67	14.9	81	17.5
Logan	325	17.2	311	16.0	341	17.2	324	16.2	288	14.6	264	13.9	257	13.7	232	12.2
Mesa	816	15.0	962	15.2	1,541	18.7	1,553	16.5	1,423	16.1	1,343	15.6	1,176	13.8	1,209	13.7
Mineral	13	16.4	7	8.8	17	21.7	12	15.1	16	20.9	12	17.2	14	21.3	7	11.5
Moffat	100	15.4	131	16.5	321	24.4	234	17.0	256	20.4	193	16.2	184	16.8	152	14.0
Montezuma	230	17.6	293	19.5	311	18.7	366	19.5	345	19.2	310	17.8	319	19.2	321	19.7
Montrose	330	17.9	291	14.1	479	19.5	392	15.1	348	13.6	300	11.9	276	10.8	299	11.5
Morgan	346	17.0	343	15.6	451	20.1	403	17.4	430	18.9	370	16.9	349	15.7	371	16.5
Otero	384	16.4	390	16.1	410	18.2	379	17.1	348	15.7	359	16.3	334	15.5	322	15.0
Ouray	27	17.5	26	14.2	23	12.1	22	10.6	33	16.8	20	11.0	24	12.3	26	13.4
Park	23	10.4	48	14.7	107	19.8	119	19.0	101	16.7	122	19.8	95	15.5	101	16.8
Phillips	57	13.9	69	16.1	62	13.8	53	11.8	61	13.6	73	16.1	45	9.9	54	12.1
Pitkin	124	19.5	108	11.9	116	11.3	158	13.9	144	11.9	181	13.9	159	12.0	153	11.3
Prowers	289	21.7	231	16.7	296	22.7	309	21.9	318	22.5	273	19.8	245	17.9	243	17.5
Pueblo	2,264	19.1	1,922	15.2	2,095	16.6	1,905	15.1	1,844	14.5	1,781	13.9	1,780	13.7	1,752	13.2
Rio Blanco	83	17.2	90	17.3	142	22.5	122	19.0	127	21.2	103	17.9	96	17.0	92	16.9
Rio Grande	198	18.9	171	15.7	210	19.9	189	16.8	240	21.0	219	18.6	193	16.6	181	15.9
Routt	126	18.7	147	15.0	253	18.9	229	15.7	222	15.2	206	14.3	181	12.5	199	13.7
Saguache	75	19.6	88	21.3	99	25.3	80	20.1	73	18.7	81	20.2	87	21.2	65	16.6
San Juan	20	24.1	24	26.9	27	33.0	28	31.0	24	32.0	10	13.5	17	21.1	10	13.4
San Miguel	37	18.8	37	16.3	57	18.1	54	17.0	63	18.1	52	13.9	47	12.0	63	15.3

Place	1970 Number	1970 Rate	1975 Number	1975 Rate	1980 Number	1980 Rate	1984 Number	1984 Rate	1985 Number	1985 Rate	1986 Number	1986 Rate	1987 Number	1987 Rate	1988 Number	1988 Rate
Sedgwick	48	14.1	59	17.3	44	13.7	43	13.2	30	9.7	36	12.3	31	10.6	35	11.9
Summit	56	20.1	95	16.0	177	19.9	214	17.0	243	17.8	236	16.6	188	13.9	203	14.8
Teller	67	19.8	87	14.9	143	17.7	177	17.2	202	19.1	209	19.1	191	16.7	179	15.8
Washington	74	13.4	74	14.3	87	16.6	92	16.8	68	12.8	77	15.1	75	14.7	52	10.3
Weld	1,629	18.1	1,805	16.6	2,200	17.8	2,319	17.3	2,262	16.6	2,159	15.7	2,143	15.3	2,120	14.9
Yuma	117	13.7	149	16.9	169	17.5	162	16.2	145	14.6	145	15.0	125	13.1	111	11.4
Planning and Management Regions																
PMR 1	967	15.9	1,005	15.9	1,154	17.8	1,077	16.3	1,022	15.6	965	15.3	882	14.0	855	13.4
2	3,244	17.9	3,443	15.0	4,560	16.7	5,030	16.8	5,047	16.4	4,943	15.9	4,803	15.1	4,893	15.2
3	23,213	18.5	21,374	14.8	27,004	16.5	30,620	17.0	31,481	17.2	31,717	17.1	31,027	16.7	30,630	16.5
4	5,535	22.6	5,972	19.7	6,055	18.6	7,145	19.2	7,358	19.1	7,923	20.0	7,928	19.3	7,937	19.2
5	267	14.2	319	16.0	362	17.1	395	17.2	359	15.4	352	15.2	369	15.7	373	15.3
6	911	16.9	879	15.9	961	18.6	913	17.5	904	17.4	818	16.0	785	15.6	780	15.1
7	2,264	19.1	1,922	15.2	2,095	16.6	1,905	15.1	1,844	14.5	1,781	13.9	1,780	13.7	1,752	13.2
8	719	19.2	675	17.2	806	21.3	723	18.1	780	19.6	734	18.1	761	18.7	693	17.2
9	686	18.2	782	17.7	932	18.7	1,074	18.9	1,047	18.6	896	16.3	939	17.3	902	16.7
10	743	16.5	690	13.3	1,069	17.2	937	14.0	912	13.7	817	12.4	740	11.2	756	11.3
11	1,264	15.6	1,474	15.5	2,441	19.5	2,392	17.2	2,273	17.2	2,080	16.1	1,880	14.6	1,871	14.3
12	612	20.6	685	15.7	1,020	18.5	1,123	16.9	1,167	16.7	1,160	16.1	1,040	14.5	1,046	14.4
13	701	16.7	620	12.8	932	17.8	705	13.5	651	12.6	690	13.5	607	12.0	597	11.9
14	354	15.8	305	13.6	325	15.3	300	13.8	270	12.6	266	12.4	262	12.2	261	12.3
Metro/Non-Metro																
Denver PMSA	20,745	18.6	19,115	15.1	24,125	16.8	27,184	17.2	27,974	17.4	28,281	17.4	27,587	16.9	27,246	16.8
Denver CMSA	23,105	18.5	21,203	14.8	26,832	16.5	30,415	17.0	31,300	17.2	31,553	17.1	30,838	16.7	30,477	16.5
Total Metro	34,058	19.1	32,405	15.5	39,292	16.8	44,199	17.2	45,246	17.2	45,869	17.2	45,063	16.7	44,779	16.6
Non-Metro	7,422	16.8	7,740	15.5	10,424	18.5	10,140	16.6	9,869	16.3	9,273	15.4	8,740	14.6	8,567	14.2
Five-Region Substate Groups																
Front Range	34,058	19.1	32,405	15.5	39,292	16.8	44,199	17.2	45,246	17.2	45,869	17.2	45,063	16.7	44,779	16.6
Western Slope	3,305	17.1	3,631	15.5	5,462	18.7	5,526	16.8	5,399	16.6	4,953	15.4	4,599	14.3	4,575	14.1
Eastern Plains	2,145	16.1	2,203	15.9	2,477	18.0	2,385	16.9	2,285	16.3	2,135	15.5	2,036	14.9	2,008	14.4
San Luis Valley	719	19.2	675	17.2	806	21.3	723	18.1	780	19.6	734	18.1	761	18.7	693	17.2
Eastern Mtns	1,253	16.5	1,231	14.0	1,679	17.3	1,506	14.9	1,405	14.0	1,451	14.5	1,344	13.4	1,291	13.1
Population-Based Region																
1 Denver	10,044	19.4	7,437	14.9	8,430	17.1	8,918	17.5	8,952	17.5	9,183	17.8	8,856	17.3	8,375	16.7
2 Jefferson	4,061	17.1	4,199	13.3	5,629	15.0	6,486	15.9	6,675	16.1	6,811	16.2	6,551	15.5	6,587	15.6
3 Boulder	2,360	17.7	2,088	12.5	2,707	14.2	3,231	15.3	3,326	15.8	3,272	15.3	3,251	15.0	3,231	14.6
4 Adams	3,787	20.2	4,029	18.4	4,773	19.3	5,096	19.2	5,210	19.4	5,101	19.0	5,058	18.7	5,024	18.6
5 Arapahoe	2,704	16.5	3,296	15.0	4,947	16.6	6,093	16.7	6,458	17.0	6,414	16.7	6,269	16.2	6,269	16.3
6 El Paso	5,445	22.8	5,837	19.9	5,805	18.6	6,849	19.3	7,055	19.1	7,592	20.0	7,642	19.4	7,657	19.3
7 Larimer	1,615	17.7	1,638	13.6	2,360	15.7	2,711	16.3	2,785	16.4	2,784	16.0	2,660	15.0	2,773	15.4
8 Pueblo	2,264	19.1	1,922	15.2	2,095	16.6	1,905	15.1	1,844	14.5	1,781	13.9	1,780	13.7	1,752	13.2
9 Weld	1,629	18.1	1,805	16.6	2,200	17.8	2,319	17.3	2,262	16.6	2,159	15.7	2,143	15.3	2,120	14.9
10 Northwest Reg	1,264	15.6	1,474	15.5	2,441	19.5	2,392	17.2	2,273	17.2	2,080	16.1	1,880	14.6	1,871	14.3
11 Western Reg	1,355	18.1	1,375	14.4	2,089	17.8	2,060	15.4	2,079	15.3	1,977	14.3	1,780	12.9	1,802	12.9
12 Eastern Reg	2,145	16.1	2,203	15.9	2,477	18.0	2,385	16.9	2,285	16.3	2,135	15.5	2,036	14.9	2,008	14.4
13 Central Reg	1,048	16.8	1,080	13.5	1,700	16.8	1,797	15.9	1,814	15.7	1,957	16.3	1,935	15.9	2,021	16.3
14 Southern Reg	1,759	18.0	1,762	16.6	2,063	18.9	2,097	17.7	2,097	17.8	1,896	16.2	1,962	16.8	1,856	16.1

Rates are per 1,000 population. Rates based on few actual cases must be viewed with caution.
See inside back cover for descriptions of regions.

Table 32. Live Births and Fertility Rates by Age Group of Women by County and Region: Colorado Residents, 1988

Place	10-14		15-19		20-24		25-29		30-34		35-39		40-44		45+	Unknown Not Stated
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	
Colorado	71	0.6	5,615	46.9	13,474	102.1	17,254	120.7	12,060	77.2	4,265	28.8	582	4.9	22	3
Adams	6	0.6	678	74.0	1,620	175.9	1,612	132.6	834	59.6	240	19.6	31	3.3	1	2
Alamosa	1	2.1	36	63.8	85	166.7	84	168.3	44	76.7	12	22.4	2	4.9	0	0
Arapahoe	2	0.1	413	33.8	1,268	138.7	2,105	134.3	1,716	75.9	674	30.8	88	5.2	3	0
Archuleta	0	0.0	9	45.9	20	117.6	25	153.4	24	119.4	11	52.4	2	11.7	0	0
Baca	0	0.0	9	66.7	24	171.4	21	139.1	15	96.8	7	45.8	0	0.0	0	0
Bent	0	0.0	14	78.7	27	154.3	19	106.7	12	60.9	4	20.2	0	0.0	0	0
Boulder	4	0.6	211	25.2	573	48.1	990	90.3	974	97.4	414	40.7	61	7.3	4	0
Chaffee	0	0.0	22	45.4	38	79.0	43	110.0	28	68.1	14	31.9	3	8.0	0	0
Cheyenne	0	0.0	4	71.4	15	263.2	18	202.2	9	81.8	2	21.1	0	0.0	0	0
Clear Creek	0	0.0	2	9.4	22	171.9	29	162.0	42	109.1	16	36.4	1	3.1	0	0
Conejos	0	0.0	23	76.9	38	123.8	44	129.0	21	65.8	5	18.3	2	9.5	0	0
Costilla	0	0.0	5	48.1	18	152.5	10	65.4	7	47.3	3	26.8	0	0.0	0	0
Crowley	0	0.0	4	50.0	17	168.3	11	73.3	6	39.0	3	23.1	0	0.0	0	0
Custer	0	0.0	0	0.0	5	151.5	6	75.0	1	8.6	4	41.2	1	15.4	0	0
Delta	0	0.0	41	48.6	73	93.7	64	98.9	47	64.6	9	11.2	2	2.8	0	0
Denver	24	1.7	1,204	88.3	2,150	96.2	2,440	95.5	1,769	72.6	683	31.7	101	6.4	4	0
Dolores	0	0.0	0	0.0	11	220.0	11	200.0	1	18.2	0	0.0	1	20.0	0	0
Douglas	0	0.0	22	12.9	133	71.1	390	168.0	319	129.8	109	50.1	18	9.6	0	0
Eagle	0	0.0	17	29.6	61	56.0	117	79.3	115	96.4	50	62.7	10	16.6	0	0
Elbert	0	0.0	6	15.4	26	64.0	46	119.5	37	89.4	9	19.6	1	2.4	0	0
El Paso	7	0.5	880	47.5	2,378	137.7	2,523	168.4	1,375	83.1	437	26.8	57	4.3	0	0
Fremont	0	0.0	59	56.0	121	109.0	102	98.5	49	47.1	15	15.3	4	4.9	0	0
Garfield	0	0.0	36	44.4	90	108.3	147	141.8	106	80.7	35	27.5	4	4.1	0	0
Gilpin	0	0.0	3	40.0	3	62.5	15	238.1	15	113.6	4	25.6	1	8.1	0	0
Grand	0	0.0	11	39.6	23	60.5	29	53.9	31	62.5	10	24.2	0	0.0	0	0
Gunnison	0	0.0	6	8.6	28	27.5	47	79.1	30	70.9	16	37.2	2	6.0	0	0
Hinsdale	0	0.0	0	0.0	0	0.0	0	0.0	2	133.3	1	66.7	0	0.0	0	0
Huerfano	0	0.0	10	53.2	22	125.0	22	92.8	15	49.8	7	26.3	2	9.4	0	0
Jackson	0	0.0	2	37.7	5	125.0	5	128.2	5	78.1	0	0.0	0	0.0	0	0
Jefferson	5	0.4	409	26.9	1,345	95.4	2,385	144.4	1,764	85.8	591	27.8	83	4.5	5	0
Kiowa	0	0.0	1	22.2	5	111.1	11	229.2	4	74.1	1	24.4	0	0.0	0	0
Kit Carson	0	0.0	16	63.0	35	148.9	40	148.7	21	73.4	7	24.9	0	0.0	0	0
Lake	0	0.0	16	78.8	18	109.1	27	114.9	16	52.3	5	19.0	0	0.0	0	0
La Plata	0	0.0	43	35.5	115	83.0	133	91.1	106	73.7	55	43.0	4	4.0	0	0
Larimer	3	0.6	208	24.5	594	55.3	974	117.2	751	99.8	222	30.2	19	3.1	1	1
Las Animas	0	0.0	31	69.5	53	114.0	55	100.2	34	61.0	8	16.3	2	5.1	0	0
Lincoln	0	0.0	7	61.4	22	159.4	28	155.6	17	103.0	7	49.6	0	0.0	0	0
Logan	0	0.0	23	40.5	61	87.6	79	94.0	50	62.2	17	24.6	2	3.5	0	0
Mesa	4	1.3	150	52.3	331	104.7	391	108.7	241	61.4	83	22.0	8	2.6	1	0
Mineral	0	0.0	0	0.0	1	45.5	3	750.0	3	214.3	0	0.0	0	0.0	0	0
Moffat	1	2.1	24	69.2	44	232.8	48	170.2	26	50.0	7	12.1	1	2.1	1	0
Montezuma	1	1.3	36	57.4	90	186.7	101	239.3	63	104.7	23	33.1	6	10.0	1	0
Montrose	0	0.0	54	66.8	91	118.2	72	79.4	61	57.4	18	16.8	3	3.2	0	0
Morgan	1	1.3	61	89.7	114	166.9	118	140.5	65	69.2	11	12.6	1	1.4	0	0
Otero	1	1.3	46	64.0	125	160.9	91	115.2	45	57.4	11	14.5	3	4.6	0	0
Ouray	0	0.0	0	0.0	7	137.3	8	150.9	5	66.7	6	61.2	0	0.0	0	0
Park	0	0.0	3	12.1	20	108.1	35	244.8	28	110.2	12	34.5	3	10.4	0	0
Phillips	0	0.0	9	68.7	15	126.1	13	93.5	10	64.5	7	42.2	0	0.0	0	0
Pitkin	0	0.0	4	10.2	10	14.3	35	33.5	55	55.3	44	78.2	5	9.9	0	0
Prowers	2	3.8	40	90.7	85	194.1	71	139.5	30	52.4	11	19.9	4	9.2	0	0
Pueblo	4	0.9	328	63.5	527	89.9	490	89.5	304	57.3	87	18.3	11	2.8	1	0
Rio Blanco	0	0.0	8	48.2	27	190.1	39	233.5	13	58.0	5	22.8	0	0.0	0	0
Rio Grande	0	0.0	25	68.5	68	204.8	51	121.7	25	52.3	11	25.1	1	2.7	0	0
Routt	0	0.0	10	24.8	25	51.8	67	70.6	67	78.7	25	37.5	5	9.0	0	0
Saguache	0	0.0	6	53.6	23	185.5	22	165.4	11	78.6	3	22.1	0	0.0	0	0
San Juan	0	0.0	4	250.0	1	62.5	3	115.4	2	50.0	0	0.0	0	0.0	0	0
San Miguel	0	0.0	4	27.8	9	57.3	20	72.7	22	84.9	8	48.2	0	0.0	0	0

Place	10-14		15-19		20-24		25-29		30-34		35-39		40-44		45+	Unknown Not Stated
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	
Sedgwick	0	0.0	5	44.6	8	87.9	14	162.8	5	55.6	3	33.3	0	0.0	0	0
Summit	0	0.0	8	21.2	31	36.4	63	55.3	69	83.0	29	51.6	3	7.7	0	0
Teller	0	0.0	5	12.3	25	57.9	58	131.8	62	122.3	26	46.3	3	6.2	0	0
Washington	0	0.0	0	0.0	12	96.0	20	127.4	16	85.6	4	22.1	0	0.0	0	0
Weld	5	1.0	296	43.2	611	80.8	676	112.8	397	63.7	114	20.0	21	4.6	0	0
Yuma	0	0.0	8	25.5	32	118.5	38	123.8	23	63.4	10	26.6	0	0.0	0	0
Planning and Management Regions																
PMR 1	1	0.4	106	54.4	242	122.0	282	119.0	169	66.6	52	21.9	3	1.5	0	0
2	8	0.8	504	32.9	1,205	65.8	1,650	115.4	1,148	83.4	336	25.7	40	3.8	1	0
3	41	0.7	2,942	48.5	7,114	103.5	9,966	119.5	7,433	78.6	2,731	30.4	384	5.4	17	0
4	7	0.5	888	46.3	2,423	135.4	2,616	168.1	1,465	84.7	475	27.6	63	4.5	0	0
5	0	0.0	33	40.6	98	117.2	132	143.0	84	86.2	25	25.6	1	1.1	0	0
6	3	1.7	114	71.3	283	168.9	224	122.7	112	58.5	37	20.2	7	4.6	0	0
7	4	0.9	328	63.5	527	89.9	490	89.5	304	57.3	87	18.3	11	2.8	1	0
8	1	0.7	95	64.7	233	164.9	214	138.2	111	66.3	34	22.4	5	4.1	0	0
9	1	0.5	92	43.7	237	112.6	273	128.4	196	83.9	89	39.0	13	7.0	1	0
10	0	0.0	105	41.0	208	74.6	211	84.8	167	65.2	58	22.5	7	3.1	0	0
11	5	1.1	218	52.0	492	113.8	625	123.0	386	64.5	130	22.3	13	2.8	2	0
12	0	0.0	52	25.0	155	43.7	316	60.9	342	77.2	158	51.4	23	9.5	0	0
13	0	0.0	97	54.3	182	101.7	178	102.2	94	50.2	38	21.4	8	5.5	0	0
14	0	0.0	41	64.7	75	117.0	77	98.0	49	57.1	15	19.8	4	6.6	0	0
Metro/Non-Metro																
Denver PMSA	37	0.7	2,726	52.5	6,516	115.0	8,932	123.7	6,402	76.2	2,297	29.0	321	5.2	13	2
Denver CMSA	41	0.7	2,937	48.7	7,089	103.4	9,922	119.3	7,376	78.5	2,711	30.4	382	5.4	17	0
Total Metro	60	0.7	4,649	46.8	11,199	101.8	14,585	123.7	10,203	78.7	3,571	28.9	490	5.0	19	3
Non-Metro	11	0.5	966	48.0	2,275	103.9	2,669	107.2	1,857	70.3	694	28.3	92	4.6	3	0
Five-Region Substate Groups																
Front Range	60	0.7	4,649	46.8	11,199	101.8	14,585	123.7	10,203	78.7	3,571	28.9	490	5.0	19	3
West Slope	6	0.6	467	42.7	1,092	85.6	1,425	95.7	1,091	71.3	435	31.6	56	5.0	3	0
East Plains	4	0.8	253	58.1	623	138.6	638	124.7	365	67.2	114	22.0	11	2.5	0	0
San Luis Val	1	0.7	95	64.7	233	164.9	214	138.2	111	66.3	34	22.4	5	4.1	0	0
Eastern Mtns	0	0.0	151	44.9	327	101.5	392	116.9	290	72.3	111	27.7	20	6.1	0	0
Population-Based Regions																
1 Denver	24	1.7	1,204	88.3	2,150	96.2	2,440	95.5	1,769	72.6	683	31.7	101	6.4	4	0
2 Jefferson	5	0.4	409	26.9	1,345	95.4	2,385	144.4	1,764	85.8	591	27.8	83	4.5	5	0
3 Boulder	4	0.6	211	25.2	573	48.1	990	90.3	974	97.4	414	40.7	61	7.3	4	0
4 Adams	6	0.6	678	74.0	1,620	175.9	1,612	132.6	834	59.6	240	19.6	31	3.3	1	2
5 Arapahoe	2	0.1	413	33.8	1,268	138.7	2,105	134.3	1,716	75.9	674	30.8	88	5.2	3	0
6 El Paso	7	0.5	880	47.5	2,378	137.7	2,523	168.4	1,375	83.1	437	26.8	57	4.3	0	0
7 Larimer	3	0.6	208	24.5	594	55.3	974	117.2	751	99.8	222	30.2	19	3.1	1	1
8 Pueblo	4	0.9	328	63.5	527	89.9	490	89.5	304	57.3	87	18.3	11	2.8	1	0
9 Weld	5	1.0	296	43.2	611	80.8	676	112.8	397	63.7	114	20.0	21	4.6	0	0
10 Northwest	5	1.1	218	52.0	492	113.8	625	123.0	386	64.5	130	22.3	13	2.8	2	0
11 Western	0	0.0	157	33.8	363	57.3	527	68.6	509	72.8	216	38.2	30	6.4	0	0
12 Eastern	4	0.8	253	58.1	623	138.6	638	124.7	365	67.2	114	22.0	11	2.5	0	0
13 Central	0	0.0	132	29.8	385	86.5	705	144.2	560	99.9	205	37.6	34	7.5	0	0
14 Southern	2	0.5	228	54.2	545	131.1	564	126.4	356	73.1	138	30.3	22	6.0	1	0

Rates are live births per 1,000 women in each age group. Rates based on few actual cases must be viewed with caution. See inside back cover for descriptions of regions.

Table 33. Live Births by Selected City of Residence and Age of Mother: Colorado Residents, 1988

City	County	Total	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
Colorado		53,346	71	5,615	13,474	17,254	12,060	4,265	582	22	3
Alamosa	Alamosa	177	1	26	65	54	25	5	1	0	0
Arvada	Total	1,453	3	106	308	545	364	108	17	2	0
	Adams	61	0	3	24	21	10	3	0	0	0
	Jefferson	1,392	3	103	284	524	354	105	17	2	0
Aspen	Pitkin	48	0	3	5	9	15	15	1	0	0
Aurora	Total	4,214	2	345	1,010	1,494	972	345	44	1	1
	Adams	634	0	81	205	218	97	29	3	0	1
	Arapahoe	3,580	2	264	805	1,276	875	316	41	1	0
Avon	Eagle	35	0	1	5	15	13	1	0	0	0
Berthoud	Larimer	52	0	5	10	27	7	3	0	0	0
Boulder	Boulder	997	2	62	137	258	320	184	35	1	0
Brighton	Total	294	1	47	97	87	52	10	0	0	0
	Adams	287	1	45	95	86	50	10	0	0	0
	Weld	7	0	2	2	1	2	0	0	0	0
Broomfield	Total	442	0	35	102	149	116	35	4	1	0
	Adams	132	0	10	32	50	32	6	2	0	0
	Boulder	192	0	15	40	61	53	21	1	1	0
	Jefferson	118	0	10	30	38	31	8	1	0	0
Brush	Morgan	53	0	13	17	10	11	2	0	0	0
Burlington	Kit Carson	57	0	7	21	19	10	0	0	0	0
Canon City	Fremont	165	0	31	60	45	22	6	1	0	0
Carbondale	Garfield	40	0	3	7	12	11	7	0	0	0
Castle Rock	Douglas	148	0	8	32	54	44	8	2	0	0
Center	Saguache	38	0	3	15	11	6	3	0	0	0
Colorado Springs	El Paso	5,850	4	694	1,839	1,913	1,030	325	45	0	0
Commerce City	Adams	411	1	88	162	105	38	10	7	0	0
Conifer	Jefferson	33	0	1	6	12	11	3	0	0	0
Cortez	Montezuma	118	0	18	31	36	22	8	3	0	0
Craig	Moffat	112	1	21	30	34	20	5	0	1	0
Dacono	Weld	35	0	6	11	10	6	2	0	0	0
Del Norte	Rio Grande	34	0	2	16	9	5	2	0	0	0
Delta	Delta	60	0	12	24	14	9	0	1	0	0
Denver	Denver	8,375	24	1,204	2,150	2,440	1,769	683	101	4	0
Durango	La Plata	155	0	16	45	40	35	18	1	0	0
Eagle	Eagle	36	0	0	8	8	14	5	1	0	0
Edgewater	Jefferson	93	0	9	36	27	15	5	1	0	0
Englewood/Cherry Hills	Arapahoe	723	0	53	195	211	174	83	7	0	0
Estes Park	Larimer	38	0	3	7	19	7	2	0	0	0
Evans	Weld	162	0	22	53	60	21	4	2	0	0
Evergreen	Jefferson	61	0	2	5	23	24	7	0	0	0
Federal Heights	Adams	87	1	13	34	30	7	2	0	0	0
Florence	Fremont	44	0	13	7	16	5	1	2	0	0
Fort Collins	Larimer	1,352	1	100	277	476	379	110	9	0	0
Fort Lupton	Weld	106	0	18	42	22	16	7	1	0	0
Fort Morgan	Morgan	174	1	30	53	53	32	5	0	0	0
Fountain	El Paso	257	1	44	109	72	22	9	0	0	0
Fruita	Mesa	66	0	13	15	26	9	2	1	0	0
Glenwood Springs	Garfield	94	0	3	12	36	36	7	0	0	0
Golden	Jefferson	304	1	28	87	84	73	25	5	1	0
Grand Junction	Mesa	465	3	75	138	135	81	32	1	0	0
Greeley	Weld	996	4	151	294	302	178	59	8	0	0
Gunnison	Gunnison	54	0	5	15	18	14	2	0	0	0

City	County	Total	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
Highlands Ranch	Douglas	272	0	3	26	135	79	26	3	0	0
La Junta	Otero	135	0	24	50	39	16	4	2	0	0
Lafayette	Boulder	297	0	17	59	95	93	31	1	1	0
Lakewood	Jefferson	1,737	0	148	440	621	378	128	20	2	0
Lamar	Prowers	158	1	29	60	39	19	9	1	0	0
Las Animas	Bent	42	0	11	17	10	4	0	0	0	0
Leadville	Lake	46	0	9	13	14	9	1	0	0	0
Littleton	Total	644	0	41	130	201	181	83	8	0	0
	Arapahoe	611	0	40	125	183	173	82	8	0	0
	Douglas	5	0	0	2	1	2	0	0	0	0
	Jefferson	28	0	1	3	17	6	1	0	0	0
Longmont	Boulder	882	2	87	240	293	192	62	6	0	0
Louisville	Boulder	268	0	7	21	101	115	19	5	0	0
Loveland	Larimer	597	2	54	143	214	140	41	3	0	0
Manitou Springs	El Paso	49	1	4	9	12	11	9	3	0	0
Monte Vista	Rio Grande	81	0	15	31	22	9	3	1	0	0
Montrose	Montrose	113	0	26	30	27	23	6	1	0	0
Morrison	Jefferson	61	0	2	13	17	23	6	0	0	0
Northglenn	Adams	427	1	65	122	144	75	17	3	0	0
Parker	Douglas	122	0	3	23	55	32	7	2	0	0
Pueblo	Pueblo	1,474	4	290	446	408	244	71	10	1	0
Rangely	Rio Blanco	33	0	2	12	13	5	1	0	0	0
Rifle	Garfield	95	0	13	21	35	19	6	1	0	0
Rocky Ford	Otero	77	0	11	32	16	14	4	0	0	0
Salida	Chaffee	52	0	11	18	11	10	2	0	0	0
Steamboat Springs	Routt	76	0	1	6	22	32	12	3	0	0
Sterling	Logan	137	0	15	39	47	26	9	1	0	0
Thornton	Adams	1,058	0	138	328	354	191	43	4	0	0
Trinidad	Las Animas	121	0	24	34	36	21	4	2	0	0
Vail	Eagle	49	0	1	10	15	15	7	1	0	0
Walsenberg	Huerfano	39	0	5	14	13	7	0	0	0	0
Westminster	Total	1,166	2	99	281	408	270	100	6	0	0
	Adams	719	2	84	209	210	142	69	3	0	0
	Jefferson	447	0	15	72	198	128	31	3	0	0
Wheat Ridge	Jefferson	402	1	32	116	140	88	21	4	0	0
Windsor	Weld	74	0	11	12	32	17	1	1	0	0
Woodland Park	Teller	75	0	1	11	27	29	7	0	0	0
Yuma	Yuma	35	0	6	13	10	5	1	0	0	0

This table shows selected cities extracted from the mother's mailing address on the birth certificate. Counts are presented as reported.

Table 34. Live Births by Race, Spanish Origin and Sex of Child by County and Region: Colorado Residents, 1988

Place	Total Births			Total White			Anglo White			Spanish Surname			Total Non-White		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Colorado	53,346	27,154	26,192	48,213	24,555	23,658	40,183	20,512	19,671	8,030	4,043	3,987	5,048	2,556	2,492
Adams	5,024	2,513	2,511	4,562	2,278	2,284	3,632	1,837	1,795	930	441	489	459	235	224
Alamosa	264	133	131	244	123	121	129	65	64	115	58	57	20	10	10
Arapahoe	6,269	3,160	3,109	5,497	2,788	2,709	5,169	2,629	2,540	328	159	169	766	370	396
Archuleta	91	36	55	90	35	55	64	27	37	26	8	18	1	1	0
Baca	76	43	33	76	43	33	73	41	32	3	2	1	0	0	0
Bent	76	38	38	73	36	37	41	19	22	32	17	15	3	2	1
Boulder	3,231	1,641	1,590	3,010	1,533	1,477	2,707	1,372	1,335	303	161	142	174	80	94
Chaffee	148	76	72	147	76	71	138	74	64	9	2	7	1	0	1
Cheyenne	48	22	26	48	22	26	46	21	25	2	1	1	0	0	0
Clear Creek	112	58	54	111	58	53	108	57	51	3	1	2	1	0	1
Conejos	133	59	74	130	59	71	56	23	33	74	36	38	3	0	3
Costilla	43	27	16	38	23	15	7	3	4	31	20	11	5	4	1
Crowley	41	27	14	40	26	14	28	19	9	12	7	5	1	1	0
Custer	17	9	8	17	9	8	17	9	8	0	0	0	0	0	0
Delta	236	122	114	235	122	113	198	105	93	37	17	20	1	0	1
Denver	8,375	4,268	4,107	6,596	3,342	3,254	4,250	2,125	2,125	2,346	1,217	1,129	1,769	919	850
Dolores	24	11	13	24	11	13	23	11	12	1	0	1	0	0	0
Douglas	991	506	485	971	495	476	946	484	462	25	11	14	20	11	9
Eagle	370	182	188	366	180	186	319	162	157	47	18	29	4	2	2
Elbert	125	57	68	125	57	68	122	56	66	3	1	2	0	0	0
El Paso	7,657	3,959	3,698	6,508	3,378	3,130	5,883	3,068	2,815	625	310	315	1,148	580	568
Fremont	350	185	165	347	183	164	311	165	146	36	18	18	3	2	1
Garfield	418	200	218	408	195	213	387	184	203	21	11	10	10	5	5
Gilpin	41	24	17	41	24	17	41	24	17	0	0	0	0	0	0
Grand	104	55	49	104	55	49	98	52	46	6	3	3	0	0	0
Gunnison	129	56	73	125	54	71	119	50	69	6	4	2	4	2	2
Hinsdale	3	0	3	3	0	3	3	0	3	0	0	0	0	0	0
Huerfano	78	34	44	78	34	44	43	18	25	35	16	19	0	0	0
Jackson	17	7	10	16	7	9	15	6	9	1	1	0	0	0	0
Jefferson	6,587	3,405	3,182	6,320	3,275	3,045	5,850	3,039	2,811	470	236	234	262	129	133
Kiowa	22	7	15	22	7	15	22	7	15	0	0	0	0	0	0
Kit Carson	119	63	56	118	62	56	104	55	49	14	7	7	1	1	0
Lake	82	41	41	82	41	41	57	31	26	25	10	15	0	0	0
La Plata	456	224	232	413	203	210	356	179	177	57	24	33	42	21	21
Larimer	2,773	1,454	1,319	2,649	1,385	1,264	2,433	1,275	1,158	216	110	106	119	66	53
Las Animas	183	96	87	181	94	87	106	50	56	75	44	31	2	2	0
Lincoln	81	48	33	78	46	32	78	46	32	0	0	0	3	2	1
Logan	232	126	106	230	126	104	206	113	93	24	13	11	2	0	2
Mesa	1,209	598	611	1,190	589	601	1,070	527	543	120	62	58	19	9	10
Mineral	7	3	4	5	2	3	5	2	3	0	0	0	2	1	1
Moffat	152	72	80	149	69	80	137	62	75	12	7	5	3	3	0
Montezuma	321	168	153	250	131	119	219	114	105	31	17	14	71	37	34
Montrose	299	142	157	297	141	156	253	119	134	44	22	22	2	1	1
Morgan	371	178	193	356	175	181	254	123	131	102	52	50	10	2	8
Otero	322	165	157	320	163	157	178	89	89	142	74	68	2	2	0
Ouray	26	18	8	26	18	8	25	17	8	1	1	0	0	0	0
Park	101	45	56	99	45	54	98	44	54	1	1	0	2	0	2
Phillips	54	27	27	52	26	26	50	25	25	2	1	1	2	1	1
Pitkin	153	78	75	146	75	71	135	67	68	11	8	3	6	3	3
Prowers	243	127	116	242	127	115	174	96	78	68	31	37	1	0	1
Pueblo	1,752	865	887	1,703	845	858	947	469	478	756	376	380	49	20	29
Rio Blanco	92	46	46	92	46	46	87	43	44	5	3	2	0	0	0
Rio Grande	181	97	84	176	94	82	87	48	39	89	46	43	5	3	2
Routt	199	107	92	198	106	92	194	104	90	4	2	2	1	1	0
Saguache	65	35	30	63	33	30	22	9	13	41	24	17	2	2	0
San Juan	10	5	5	10	5	5	5	3	2	5	2	3	0	0	0
San Miguel	63	35	28	63	35	28	61	34	27	2	1	1	0	0	0

Place	Total Births			Total White			Anglo White			Spanish Surname			Total Non-White		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Sedgwick	35	20	15	34	19	15	31	18	13	3	1	2	1	1	0
Summit	203	113	90	200	112	88	196	109	87	4	3	1	3	1	2
Teller	179	93	86	175	91	84	170	88	82	5	3	2	4	2	2
Washington	52	31	21	52	31	21	50	29	21	2	2	0	0	0	0
Weld	2,120	1,060	1,060	2,082	1,038	1,044	1,447	722	725	635	316	319	38	22	16
Yuma	111	54	57	110	54	56	103	50	53	7	4	3	1	0	1
Planning and Management Regions															
PMR 1	855	436	419	834	431	403	694	358	336	140	73	67	16	4	12
2	4,893	2,514	2,379	4,731	2,423	2,308	3,880	1,997	1,883	851	426	425	157	88	69
3	30,630	15,575	15,055	27,108	13,793	13,315	22,703	11,567	11,136	4,405	2,226	2,179	3,451	1,744	1,707
4	7,937	4,097	3,840	6,782	3,514	3,268	6,151	3,200	2,951	631	314	317	1,154	582	572
5	373	190	183	369	187	182	350	178	172	19	9	10	4	3	1
6	780	407	373	773	402	371	516	271	245	257	131	126	7	5	2
7	1,752	865	887	1,703	845	858	947	469	478	756	376	380	49	20	29
8	693	354	339	656	334	322	306	150	156	350	184	166	37	20	17
9	902	444	458	787	385	402	667	334	333	120	51	69	114	59	55
10	756	373	383	749	370	379	659	325	334	90	45	45	7	3	4
11	1,871	916	955	1,839	899	940	1,681	816	865	158	83	75	32	17	15
12	1,046	542	504	1,030	535	495	957	500	457	73	35	38	14	7	7
13	597	311	286	593	309	284	523	279	244	70	30	40	4	2	2
14	261	130	131	259	128	131	149	68	81	110	60	50	2	2	0
Metro/Non-Metro															
Denver PMSA	27,246	13,852	13,394	23,946	12,178	11,768	19,847	10,114	9,733	4,099	2,064	2,035	3,276	1,664	1,612
Denver CMSA	30,477	15,493	14,984	26,956	13,711	13,245	22,554	11,486	11,068	4,402	2,225	2,177	3,450	1,744	1,706
Total Metro	44,779	22,831	21,948	39,898	20,357	19,541	33,264	17,020	16,244	6,634	3,337	3,297	4,804	2,432	2,372
Non-Metro	8,567	4,323	4,244	8,315	4,198	4,117	6,919	3,492	3,427	1,396	706	690	244	124	120
Five-Region Substate Groups															
Front Range	44,779	22,831	21,948	39,898	20,357	19,541	33,264	17,020	16,244	6,634	3,337	3,297	4,804	2,432	2,372
Western Slope	4,575	2,275	2,300	4,405	2,189	2,216	3,964	1,975	1,989	441	214	227	167	86	81
Eastern Plains	2,008	1,033	975	1,976	1,020	956	1,560	807	753	416	213	203	27	12	15
San Luis Valley	693	354	339	656	334	322	306	150	156	350	184	166	37	20	17
Eastern Mtns	1,291	661	630	1,278	655	623	1,089	560	529	189	95	94	13	6	7
Population-Based Regions															
1 Denver	8,375	4,268	4,107	6,596	3,342	3,254	4,250	2,125	2,125	2,346	1,217	1,129	1,769	919	850
2 Jefferson	6,587	3,405	3,182	6,320	3,275	3,045	5,850	3,039	2,811	470	236	234	262	129	133
3 Boulder	3,231	1,641	1,590	3,010	1,533	1,477	2,707	1,372	1,335	303	161	142	174	80	94
4 Adams	5,024	2,513	2,511	4,562	2,278	2,284	3,632	1,837	1,795	930	441	489	459	235	224
5 Arapahoe	6,269	3,160	3,109	5,497	2,788	2,709	5,169	2,629	2,540	328	159	169	766	370	396
6 El Paso	7,657	3,959	3,698	6,508	3,378	3,130	5,883	3,068	2,815	625	310	315	1,148	580	568
7 Larimer	2,773	1,454	1,319	2,649	1,385	1,264	2,433	1,275	1,158	216	110	106	119	66	53
8 Pueblo	1,752	865	887	1,703	845	858	947	469	478	756	376	380	49	20	29
9 Weld	2,120	1,060	1,060	2,082	1,038	1,044	1,447	722	725	635	316	319	38	22	16
10 Northwest Reg	1,871	916	955	1,839	899	940	1,681	816	865	158	83	75	32	17	15
11 Western Reg	1,802	915	887	1,779	905	874	1,616	825	791	163	80	83	21	10	11
12 Eastern Reg	2,008	1,033	975	1,976	1,020	956	1,560	807	753	416	213	203	27	12	15
13 Central Reg	2,021	1,037	984	1,990	1,022	968	1,886	976	910	104	46	58	31	15	16
14 Southern Reg	1,856	928	928	1,702	847	855	1,122	552	570	580	295	285	153	81	72

Table 34, Continued.

Place	Black			Native American			Asian			Other			Spanish Origin		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Colorado	3,160	1,588	1,572	528	271	257	1,340	689	651	20	8	12	7,962	4,061	3,901
Adams	261	131	130	42	25	17	156	79	77	0	0	0	884	426	458
Alamosa	1	0	1	2	1	1	7	5	2	10	4	6	133	68	65
Arapahoe	496	233	263	31	10	21	238	127	111	1	0	1	321	163	158
Archuleta	0	0	0	1	1	0	0	0	0	0	0	0	10	4	6
Baca	0	0	0	0	0	0	0	0	0	0	0	0	8	4	4
Bent	0	0	0	2	1	1	1	1	0	0	0	0	32	17	15
Boulder	33	17	16	22	9	13	118	53	65	1	1	0	276	148	128
Chaffee	0	0	0	1	0	1	0	0	0	0	0	0	8	3	5
Cheyenne	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2
Clear Creek	0	0	0	0	0	0	1	0	1	0	0	0	2	1	1
Conejos	0	0	0	2	0	2	1	0	1	0	0	0	80	38	42
Costilla	0	0	0	1	1	0	3	2	1	1	1	0	33	21	12
Crowley	0	0	0	1	1	0	0	0	0	0	0	0	12	7	5
Custer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delta	0	0	0	0	0	0	1	0	1	0	0	0	14	10	4
Denver	1,363	701	662	119	62	57	285	155	130	2	1	1	2,470	1,280	1,190
Dolores	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Douglas	12	5	7	2	2	0	6	4	2	0	0	0	31	12	19
Eagle	0	0	0	3	1	2	1	1	0	0	0	0	53	22	31
Elbert	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2
El Paso	828	413	415	69	35	34	247	131	116	4	1	3	672	341	331
Fremont	2	2	0	1	0	1	0	0	0	0	0	0	33	17	16
Garfield	2	1	1	3	1	2	4	3	1	1	0	1	24	11	13
Gilpin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand	0	0	0	0	0	0	0	0	0	0	0	0	4	1	3
Gunnison	0	0	0	2	0	2	2	2	0	0	0	0	7	5	2
Hinsdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Huerfano	0	0	0	0	0	0	0	0	0	0	0	0	33	15	18
Jackson	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2
Jefferson	70	38	32	30	16	14	162	75	87	0	0	0	431	223	208
Kiowa	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
Kit Carson	1	1	0	0	0	0	0	0	0	0	0	0	13	6	7
Lake	0	0	0	0	0	0	0	0	0	0	0	0	24	9	15
La Plata	2	1	1	36	18	18	4	2	2	0	0	0	18	7	11
Larimer	26	14	12	37	20	17	56	32	24	0	0	0	240	128	112
Las Animas	1	1	0	0	0	0	1	1	0	0	0	0	89	50	39
Lincoln	1	0	1	1	1	0	1	1	0	0	0	0	0	0	0
Logan	0	0	0	1	0	1	1	0	1	0	0	0	21	12	9
Mesa	5	1	4	7	6	1	7	2	5	0	0	0	114	58	56
Mineral	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0
Moffat	0	0	0	2	2	0	1	1	0	0	0	0	10	6	4
Montezuma	0	0	0	70	37	33	1	0	1	0	0	0	28	17	11
Montrose	0	0	0	2	1	1	0	0	0	0	0	0	51	26	25
Morgan	2	0	2	6	2	4	2	0	2	0	0	0	96	47	49
Otero	0	0	0	2	2	0	0	0	0	0	0	0	142	70	72
Ouray	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
Park	0	0	0	1	0	1	1	0	1	0	0	0	1	1	0
Phillips	0	0	0	1	1	0	1	0	1	0	0	0	2	1	1
Pitkin	1	1	0	0	0	0	5	2	3	0	0	0	13	10	3
Prowers	0	0	0	1	0	1	0	0	0	0	0	0	71	32	39
Pueblo	38	16	22	6	3	3	5	1	4	0	0	0	762	386	376
Rio Blanco	0	0	0	0	0	0	0	0	0	0	0	0	5	3	2
Rio Grande	0	0	0	5	3	2	0	0	0	0	0	0	80	39	41
Routt	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0
Saguache	1	1	0	1	1	0	0	0	0	0	0	0	44	28	16
San Juan	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2
San Miguel	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1

Place	Black			Native American			Asian			Other			Spanish Origin		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Sedgwick	1	1	0	0	0	0	0	0	0	0	0	0	5	3	2
Summit	1	1	0	1	0	1	1	0	1	0	0	0	8	4	4
Teller	0	0	0	2	2	0	2	0	2	0	0	0	8	5	3
Washington	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
Weld	12	9	3	9	5	4	17	8	9	0	0	0	518	261	257
Yuma	0	0	0	1	0	1	0	0	0	0	0	0	6	3	3
Planning and Management Regions															
PMR 1	3	1	2	9	3	6	4	0	4	0	0	0	131	67	64
2	38	23	15	46	25	21	73	40	33	0	0	0	758	389	369
3	2,235	1,125	1,110	246	124	122	966	493	473	4	2	2	4,415	2,253	2,162
4	828	413	415	72	37	35	250	131	119	4	1	3	681	347	334
5	2	1	1	1	1	0	1	1	0	0	0	0	20	9	11
6	0	0	0	6	4	2	1	1	0	0	0	0	266	131	135
7	38	16	22	6	3	3	5	1	4	0	0	0	762	386	376
8	2	1	1	13	7	6	11	7	4	11	5	6	370	194	176
9	2	1	1	107	56	51	5	2	3	0	0	0	61	30	31
10	0	0	0	4	1	3	3	2	1	0	0	0	76	44	32
11	7	2	5	12	9	3	12	6	6	1	0	1	153	78	75
12	2	2	0	4	1	3	8	4	4	0	0	0	82	39	43
13	2	2	0	2	0	2	0	0	0	0	0	0	65	29	36
14	1	1	0	0	0	0	1	1	0	0	0	0	122	65	57
Metro/Non-Metro															
Denver PMSA	2,202	1,108	1,094	224	115	109	847	440	407	3	1	2	4,137	2,104	2,033
Denver CMSA	2,235	1,125	1,110	246	124	122	965	493	472	4	2	2	4,413	2,252	2,161
Total Metro	3,139	1,577	1,562	367	187	180	1,290	665	625	8	3	5	6,605	3,368	3,237
Non-Metro	21	11	10	161	84	77	50	24	26	12	5	7	1,357	693	664
Five-Region Substate Groups															
Front Range	3,139	1,577	1,562	367	187	180	1,290	665	625	8	3	5	6,605	3,368	3,237
Western Slope	11	5	6	127	67	60	28	14	14	1	0	1	372	191	181
Eastern Plains	5	2	3	16	8	8	6	2	4	0	0	0	417	207	210
San Luis Valley	2	1	1	13	7	6	11	7	4	11	5	6	370	194	176
Eastern Mtns	3	3	0	5	2	3	5	1	4	0	0	0	198	101	97
Population-Based Regions															
1 Denver	1,363	701	662	119	62	57	285	155	130	2	1	1	2,470	1,280	1,190
2 Jefferson	70	38	32	30	16	14	162	75	87	0	0	0	431	223	208
3 Boulder	33	17	16	22	9	13	118	53	65	1	1	0	276	148	128
4 Adams	261	131	130	42	25	17	156	79	77	0	0	0	884	426	458
5 Arapahoe	496	233	263	31	10	21	238	127	111	1	0	1	321	163	158
6 El Paso	828	413	415	69	35	34	247	131	116	4	1	3	672	341	331
7 Larimer	26	14	12	37	20	17	56	32	24	0	0	0	240	128	112
8 Pueblo	38	16	22	6	3	3	5	1	4	0	0	0	762	386	376
9 Weld	12	9	3	9	5	4	17	8	9	0	0	0	518	261	257
10 Northwest Reg	7	2	5	12	9	3	12	6	6	1	0	1	153	78	75
11 Western Reg	2	2	0	8	2	6	11	6	5	0	0	0	158	83	75
12 Eastern Reg	5	2	3	16	8	8	6	2	4	0	0	0	417	207	210
13 Central Reg	14	7	7	7	4	3	10	4	6	0	0	0	107	48	59
14 Southern Reg	5	3	2	120	63	57	17	10	7	11	5	6	553	289	264

Spanish origin is independent of race. Race was unknown or not stated for 85 live births in 1988. See inside back cover for descriptions of regions.

Table 35. Live Births by Birth Weight by County and Region: Colorado, 1988

Place	Total	Birth Weight in Grams												Low Weight Birth
		<500	500-999	1,000-1,499	1,500-1,999	2,000-2,499	2,500-2,999	3,000-3,499	3,500-3,999	4,000-4,499	4,500-4,999	5,000+	Unknown/ Not Stated	
Colorado	53,346	49	201	272	741	2,921	10,703	21,781	13,362	2,865	409	27	15	4,184
Adams	5,024	4	26	34	83	297	1,058	2,013	1,207	254	46	1	1	444
Alamosa	264	0	0	0	1	15	54	127	53	12	2	0	0	16
Arapahoe	6,269	9	20	45	84	329	1,162	2,570	1,638	358	48	4	2	487
Archuleta	91	0	0	0	0	3	20	38	26	4	0	0	0	3
Baca	76	0	0	0	2	4	15	30	20	5	0	0	0	6
Bent	76	1	0	0	2	2	20	30	17	4	0	0	0	5
Boulder	3,231	2	12	16	37	132	589	1,341	878	194	29	1	0	199
Chaffee	148	0	2	0	1	6	32	59	42	6	0	0	0	9
Cheyenne	48	0	0	0	1	1	9	18	16	3	0	0	0	2
Clear Creek	112	0	1	1	2	7	31	49	20	1	0	0	0	11
Conejos	133	0	0	0	1	10	39	58	23	2	0	0	0	11
Costilla	43	0	1	0	0	3	15	15	9	0	0	0	0	4
Crowley	41	0	0	0	0	4	9	14	12	1	1	0	0	4
Custer	17	0	0	0	1	0	3	6	7	0	0	0	0	1
Delta	236	0	0	0	1	16	37	100	62	16	3	0	1	17
Denver	8,375	8	45	55	152	574	1,882	3,368	1,843	392	44	8	4	834
Dolores	24	0	2	0	0	2	4	6	8	2	0	0	0	4
Douglas	991	0	1	3	11	40	166	413	276	69	11	1	0	55
Eagle	370	0	0	0	2	23	93	176	69	7	0	0	0	25
Elbert	125	0	0	0	1	6	21	56	30	9	2	0	0	7
El Paso	7,657	9	32	37	91	450	1,570	3,140	1,885	385	56	1	1	619
Fremont	350	0	0	2	6	20	64	152	84	18	4	0	0	28
Garfield	418	3	1	0	7	18	80	171	104	31	3	0	0	29
Gilpin	41	0	0	0	2	6	10	12	9	0	2	0	0	8
Grand	104	0	1	0	1	6	32	36	20	8	0	0	0	8
Gunnison	129	0	1	0	2	9	34	47	30	5	1	0	0	12
Hinsdale	3	0	0	0	0	0	0	3	0	0	0	0	0	0
Huerfano	78	0	0	0	0	3	23	38	13	1	0	0	0	3
Jackson	17	0	0	0	0	3	3	8	3	0	0	0	0	3
Jefferson	6,587	2	25	26	81	326	1,272	2,682	1,739	385	43	4	2	460
Kiowa	22	0	0	0	0	0	5	11	5	0	1	0	0	0
Kit Carson	119	0	0	1	3	3	19	46	37	8	2	0	0	7
Lake	82	0	0	0	1	7	24	36	12	2	0	0	0	8
La Plata	456	0	0	6	12	17	69	202	119	27	4	0	0	35
Larimer	2,773	1	3	4	32	130	517	1,106	783	170	24	2	1	170
Las Animas	183	0	0	0	3	12	38	81	42	5	2	0	0	15
Lincoln	81	0	0	0	0	5	15	28	28	5	0	0	0	5
Logan	232	0	0	1	2	10	27	85	84	22	1	0	0	13
Mesa	1,209	2	2	5	15	67	221	499	327	64	7	0	0	91
Mineral	7	0	0	0	0	0	1	5	1	0	0	0	0	0
Moffat	152	0	0	1	3	6	35	63	35	6	3	0	0	10
Montezuma	321	0	0	2	1	9	71	128	89	15	3	0	3	12
Montrose	299	0	3	4	7	12	61	111	81	17	3	0	0	26
Morgan	371	0	6	1	10	13	57	164	88	30	1	1	0	30
Otero	322	0	0	0	2	10	74	138	71	24	3	0	0	12
Ouray	26	0	0	0	0	2	6	11	7	0	0	0	0	2
Park	101	0	1	0	3	6	24	35	28	4	0	0	0	10
Phillips	54	0	0	0	2	0	5	20	24	2	1	0	0	2
Pitkin	153	0	0	0	0	12	30	66	38	6	1	0	0	12
Prowers	243	0	2	0	3	15	39	97	68	14	5	0	0	20
Pueblo	1,752	2	8	5	24	96	325	742	431	98	20	1	0	135
Rio Blanco	92	0	0	0	0	5	20	37	26	4	0	0	0	5
Rio Grande	181	1	0	0	4	13	43	74	38	7	1	0	0	18
Routt	199	0	0	0	3	9	43	78	58	8	0	0	0	12
Saguache	65	0	0	0	0	1	17	31	12	4	0	0	0	1
San Juan	10	0	0	0	0	2	6	2	0	0	0	0	0	2
San Miguel	63	0	0	0	0	8	9	26	17	2	1	0	0	8

Place	Total	Birth Weight in Grams <500	500-999	1,000-1,499	1,500-1,999	2,000-2,499	2,500-2,999	3,000-3,499	3,500-3,999	4,000-4,499	4,500-4,999	5,000+	Unknown/ Not Stated	Low Weight Birth
Sedgwick	35	0	0	0	0	0	3	11	12	8	1	0	0	0
Summit	203	0	0	2	1	20	57	78	38	5	2	0	0	23
Teller	179	0	3	0	3	9	50	69	42	2	1	0	0	15
Washington	52	0	0	1	5	3	8	16	14	3	2	0	0	9
Weld	2,120	5	3	20	28	101	426	864	530	116	24	3	0	157
Yuma	111	0	0	0	2	3	11	45	34	15	1	0	0	5
Planning and Management Regions														
PMR 1	855	0	6	3	21	29	111	341	256	80	7	1	0	59
2	4,893	6	6	24	60	231	943	1,970	1,313	286	48	5	1	327
3	30,630	25	130	180	452	1,711	6,170	12,448	7,610	1,653	223	19	9	2,498
4	7,937	9	36	37	97	465	1,644	3,244	1,955	391	57	1	1	644
5	373	0	0	1	5	15	64	148	111	25	4	0	0	21
6	780	1	2	0	9	35	162	320	193	48	10	0	0	47
7	1,752	2	8	5	24	96	325	742	431	98	20	1	0	135
8	693	1	1	0	6	42	169	310	136	25	3	0	0	50
9	902	0	2	8	13	33	170	376	242	48	7	0	3	56
10	756	0	4	4	10	47	147	298	197	40	8	0	1	65
11	1,871	5	3	6	25	96	356	770	492	105	13	0	0	135
12	1,046	0	1	2	7	73	258	442	226	34	3	0	0	83
13	597	0	2	2	9	33	123	253	145	26	4	0	0	46
14	261	0	0	0	3	15	61	119	55	6	2	0	0	18
Metro/Non-Metro														
Denver PMSA	27,246	23	117	163	411	1,566	5,540	11,046	6,703	1,458	192	18	9	2,280
Denver CMSA	30,477	25	129	179	448	1,698	6,129	12,387	7,581	1,652	221	19	9	2,479
Total Metro	44,779	42	175	245	623	2,475	8,967	18,239	11,210	2,421	345	26	11	3,560
Non-Metro	8,567	7	26	27	118	446	1,736	3,542	2,152	444	64	1	4	624
Five-Region Substate Groups														
Front Range	44,779	42	175	245	623	2,475	8,967	18,239	11,210	2,421	345	26	11	3,560
Western Slope	4,575	5	10	20	55	249	931	1,886	1,157	227	31	0	4	339
Eastern Plains	2,008	1	8	4	35	79	337	809	560	153	21	1	0	127
San Luis Valley	693	1	1	0	6	42	169	310	136	25	3	0	0	50
Eastern Mtns	1,291	0	7	3	22	76	299	537	299	39	9	0	0	108
Population-Based Regions														
1 Denver	8,375	8	45	55	152	574	1,882	3,368	1,843	392	44	8	4	834
2 Jefferson	6,587	2	25	26	81	326	1,272	2,682	1,739	385	43	4	2	460
3 Boulder	3,231	2	12	16	37	132	589	1,341	878	194	29	1	0	199
4 Adams	5,024	4	26	34	83	297	1,058	2,013	1,207	254	46	1	1	444
5 Arapahoe	6,269	9	20	45	84	329	1,162	2,570	1,638	358	48	4	2	487
6 El Paso	7,657	9	32	37	91	450	1,570	3,140	1,885	385	56	1	1	619
7 Larimer	2,773	1	3	4	32	130	517	1,106	783	170	24	2	1	170
8 Pueblo	1,752	2	8	5	24	96	325	742	431	98	20	1	0	135
9 Weld	2,120	5	3	20	28	101	426	864	530	116	24	3	0	157
10 Northwest Reg	1,871	5	3	6	25	96	356	770	492	105	13	0	0	135
11 Western Reg	1,802	0	5	6	17	120	405	740	423	74	11	0	1	148
12 Eastern Reg	2,008	1	8	4	35	79	337	809	560	153	21	1	0	127
13 Central Reg	2,021	0	8	6	30	101	404	831	520	102	18	1	0	145
14 Southern Reg	1,856	1	3	8	22	90	400	805	433	79	12	0	3	124

Low weight birth is less than 2,500 grams. See technical notes for equivalents of gram weights in pounds and ounces.
See inside back cover for descriptions of regions.

Table 36. Live Births by Trimester Care Began by County and Region: Colorado Residents, 1988

Place	Total Live Births	Trimester Care Began: First Number	First Percent	Second Number	Second Percent	Third Number	Third Percent	Unknown/Not Stated Number	Unknown/Not Stated Percent	No Care Number	No Care Percent
Colorado	53,346	40,893	77.7	9,123	17.3	2,143	4.1	715	1.3	472	0.9
Adams	5,024	3,691	74.3	964	19.4	206	4.1	58	1.2	105	2.1
Alamosa	264	196	74.5	56	21.3	9	3.4	1	0.4	2	0.8
Arapahoe	6,269	5,269	84.4	735	11.8	165	2.6	28	0.4	72	1.2
Archuleta	91	69	75.8	17	18.7	5	5.5	0	0.0	0	0.0
Baca	76	54	74.0	16	21.9	3	4.1	3	3.9	0	0.0
Bent	76	49	65.3	22	29.3	4	5.3	1	1.3	0	0.0
Boulder	3,231	2,239	74.2	644	21.4	115	3.8	215	6.7	18	0.6
Chaffee	148	107	76.4	23	16.4	10	7.1	8	5.4	0	0.0
Cheyenne	48	35	72.9	9	18.8	4	8.3	0	0.0	0	0.0
Clear Creek	112	92	82.9	15	13.5	3	2.7	1	0.9	1	0.9
Conejos	133	91	68.9	32	24.2	6	4.5	1	0.8	3	2.3
Costilla	43	31	77.5	9	22.5	0	0.0	3	7.0	0	0.0
Crowley	41	31	75.6	8	19.5	1	2.4	0	0.0	1	2.4
Custer	17	13	76.5	3	17.6	1	5.9	0	0.0	0	0.0
Delta	236	155	66.2	52	22.2	20	8.5	2	0.8	7	3.0
Denver	8,375	5,951	71.6	1,753	21.1	508	6.1	67	0.8	96	1.2
Dolores	24	14	63.6	5	22.7	3	13.6	2	8.3	0	0.0
Douglas	991	918	92.9	62	6.3	5	0.5	3	0.3	3	0.3
Eagle	370	301	82.0	49	13.4	15	4.1	3	0.8	2	0.5
Elbert	125	108	86.4	15	12.0	1	0.8	0	0.0	1	0.8
El Paso	7,657	6,257	81.9	1,126	14.7	205	2.7	19	0.2	50	0.7
Fremont	350	254	73.2	77	22.2	13	3.7	3	0.9	3	0.9
Garfield	418	270	68.4	98	24.8	26	6.6	23	5.5	1	0.3
Gilpin	41	29	74.4	9	23.1	1	2.6	2	4.9	0	0.0
Grand	104	78	77.2	15	14.9	8	7.9	3	2.9	0	0.0
Gunnison	129	108	83.7	21	16.3	0	0.0	0	0.0	0	0.0
Hinsdale	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
Huerfano	78	53	68.8	20	26.0	4	5.2	1	1.3	0	0.0
Jackson	17	10	58.8	5	29.4	2	11.8	0	0.0	0	0.0
Jefferson	6,587	5,613	86.0	725	11.1	145	2.2	61	0.9	43	0.7
Kiowa	22	15	68.2	7	31.8	0	0.0	0	0.0	0	0.0
Kit Carson	119	90	75.6	23	19.3	6	5.0	0	0.0	0	0.0
Lake	82	44	55.7	25	31.6	9	11.4	3	3.7	1	1.3
La Plata	456	367	80.7	70	15.4	15	3.3	1	0.2	3	0.7
Larimer	2,773	2,016	74.2	555	20.4	134	4.9	56	2.0	12	0.4
Las Animas	183	103	56.6	60	33.0	17	9.3	1	0.5	2	1.1
Lincoln	81	67	82.7	10	12.3	4	4.9	0	0.0	0	0.0
Logan	232	178	76.7	42	18.1	10	4.3	0	0.0	2	0.9
Mesa	1,209	879	73.6	262	21.9	46	3.8	14	1.2	8	0.7
Mineral	7	7	100.0	0	0.0	0	0.0	0	0.0	0	0.0
Moffat	152	104	68.9	37	24.5	10	6.6	1	0.7	0	0.0
Montezuma	321	214	66.7	79	24.6	22	6.9	0	0.0	6	1.9
Montrose	299	205	71.7	61	21.3	19	6.6	13	4.3	1	0.3
Morgan	371	246	67.6	85	23.4	29	8.0	7	1.9	4	1.1
Otero	322	216	67.5	77	24.1	26	8.1	2	0.6	1	0.3
Ouray	26	18	72.0	5	20.0	2	8.0	1	3.8	0	0.0
Park	101	88	88.0	10	10.0	1	1.0	1	1.0	1	1.0
Phillips	54	42	79.2	10	18.9	1	1.9	1	1.9	0	0.0
Pitkin	153	132	86.3	13	8.5	7	4.6	0	0.0	1	0.7
Prowers	243	137	57.1	78	32.5	24	10.0	3	1.2	1	0.4
Pueblo	1,752	1,229	70.6	400	23.0	103	5.9	10	0.6	10	0.6
Rio Blanco	92	75	82.4	12	13.2	3	3.3	1	1.1	1	1.1
Rio Grande	181	128	72.3	43	24.3	6	3.4	4	2.2	0	0.0
Routt	199	155	77.9	38	19.1	5	2.5	0	0.0	1	0.5
Saguache	65	47	72.3	9	13.8	8	12.3	0	0.0	1	1.5
San Juan	10	8	80.0	2	20.0	0	0.0	0	0.0	0	0.0
San Miguel	63	53	84.1	9	14.3	1	1.6	0	0.0	0	0.0

Place	Total Live Births	Trimester Care Began: First Number	First Percent	Second Number	Second Percent	Third Number	Third Percent	Unknown/Not Stated Number	Unknown/Not Stated Percent	No Care Number	No Care Percent
Sedgwick	35	25	71.4	8	22.9	2	5.7	0	0.0	0	0.0
Summit	203	179	88.2	20	9.9	2	1.0	0	0.0	2	1.0
Teller	179	153	86.9	20	11.4	3	1.7	3	1.7	0	0.0
Washington	52	42	80.8	9	17.3	1	1.9	0	0.0	0	0.0
Weld	2,120	1,452	71.3	443	21.8	135	6.6	84	4.0	6	0.3
Yuma	111	90	81.8	16	14.5	4	3.6	1	0.9	0	0.0
Planning and Management Regions											
PMR 1	855	623	73.6	170	20.1	47	5.6	9	1.1	6	0.7
2	4,893	3,468	73.0	998	21.0	269	5.7	140	2.9	18	0.4
3	30,630	23,802	78.8	4,907	16.3	1,148	3.8	435	1.4	338	1.1
4	7,937	6,498	82.1	1,156	14.6	209	2.6	23	0.3	51	0.6
5	373	300	80.4	57	15.3	15	4.0	0	0.0	1	0.3
6	780	502	65.1	208	27.0	58	7.5	9	1.2	3	0.4
7	1,752	1,229	70.6	400	23.0	103	5.9	10	0.6	10	0.6
8	693	500	73.1	149	21.8	29	4.2	9	1.3	6	0.9
9	902	672	74.7	173	19.2	45	5.0	3	0.3	9	1.0
10	756	542	73.2	148	20.0	42	5.7	16	2.1	8	1.1
11	1,871	1,328	72.5	409	22.3	85	4.6	39	2.1	10	0.5
12	1,046	855	82.2	140	13.5	39	3.8	6	0.6	6	0.6
13	597	418	71.7	128	22.0	33	5.7	14	2.3	4	0.7
14	261	156	60.2	80	30.9	21	8.1	2	0.8	2	0.8
Metro/Non-Metro											
Denver PMSA	27,246	21,442	79.3	4,239	15.7	1,029	3.8	217	0.8	319	1.2
Denver CMSA	30,477	23,681	78.8	4,883	16.3	1,144	3.8	432	1.4	337	1.1
Total Metro	44,779	34,635	78.4	7,407	16.8	1,721	3.9	601	1.3	415	0.9
Non-Metro	8,567	6,258	74.0	1,716	20.3	422	5.0	114	1.3	57	0.7
Five-Region Substate Groups											
Front Range	44,779	34,635	78.4	7,407	16.8	1,721	3.9	601	1.3	415	0.9
Western Slope	4,575	3,397	75.3	870	19.3	211	4.7	64	1.4	33	0.7
Eastern Plains	2,008	1,425	71.6	435	21.9	120	6.0	18	0.9	10	0.5
San Luis Valley	693	500	73.1	149	21.8	29	4.2	9	1.3	6	0.9
Eastern Mtns	1,291	936	73.8	262	20.7	62	4.9	23	1.8	8	0.6
Population-Based Regions											
1 Denver	8,375	5,951	71.6	1753	21.1	508	6.1	67	0.8	96	1.2
2 Jefferson	6,587	5,613	86.0	725	11.1	145	2.2	61	0.9	43	0.7
3 Boulder	3,231	2,239	74.2	644	21.4	115	3.8	215	6.7	18	0.6
4 Adams	5,024	3,691	74.3	964	19.4	206	4.1	58	1.2	105	2.1
5 Arapahoe	6,269	5,269	84.4	735	11.8	165	2.6	28	0.4	72	1.2
6 El Paso	7,657	6,257	81.9	1126	14.7	205	2.7	19	0.2	50	0.7
7 Larimer	2,773	2,016	74.2	555	20.4	134	4.9	56	2.0	12	0.4
8 Pueblo	1,752	1,229	70.6	400	23.0	103	5.9	10	0.6	10	0.6
9 Weld	2,120	1,452	71.3	443	21.8	135	6.6	84	4.0	6	0.3
10 Northwest Reg	1,871	1,328	72.5	409	22.3	85	4.6	39	2.1	10	0.5
11 Western Reg	1,802	1,397	78.5	288	16.2	81	4.6	22	1.2	14	0.8
12 Eastern Reg	2,008	1,425	71.6	435	21.9	120	6.0	18	0.9	10	0.5
13 Central Reg	2,021	1,698	85.0	244	12.2	46	2.3	24	1.2	9	0.5
14 Southern Reg	1,856	1,328	72.1	402	21.8	95	5.2	14	0.8	17	0.9

A trimester is a three-month period of time. The "no care" category includes births with care only at delivery. Percentages for trimesters and no care categories are of live births with prenatal care reported. Percentage for unknown/not stated category is of total live births. See inside back cover for descriptions of regions.

Table 37. Educational Attainment of Mother and Live-Birth Order by County and Region: Colorado Residents, 1988

Place	Total Live Births	Mother's Education <12 Yrs	12+ Yrs	Unk	Birth Order First Number	First Percent	Second Number	Second Percent	Third Number	Third Percent	Fourth Number	Fourth Percent	Fifth + Number	Fifth + Percent	Not Stated Number	Not Stated Percent
Colorado	53,346	9,027	43,947	372	21,833	41.1	17,953	33.8	8,568	16.1	3,048	5.7	1,661	3.1	283	0.5
Adams	5,024	1,168	3,825	31	1,947	38.9	1,691	33.8	876	17.5	308	6.2	177	3.5	25	0.5
Alamosa	264	59	202	3	99	37.6	89	33.8	43	16.3	16	6.1	16	6.1	1	0.4
Arapahoe	6,269	571	5,670	28	2,654	42.5	2,205	35.3	940	15.1	304	4.9	139	2.2	27	0.4
Archuleta	91	21	70	0	28	30.8	27	29.7	20	22.0	6	6.6	10	11.0	0	0.0
Baca	76	22	53	1	22	28.9	23	30.3	24	31.6	3	3.9	4	5.3	0	0.0
Bent	76	21	55	0	25	32.9	23	30.3	21	27.6	5	6.6	2	2.6	0	0.0
Boulder	3,231	318	2,787	126	1,383	43.9	1,063	33.8	464	14.7	159	5.1	78	2.5	84	2.6
Chaffee	148	26	121	1	50	34.0	50	34.0	32	21.8	10	6.8	5	3.4	1	0.7
Cheyenne	48	7	41	0	14	29.8	17	36.2	8	17.0	7	14.9	1	2.1	1	2.1
Clear Creek	112	8	104	0	46	41.4	37	33.3	19	17.1	5	4.5	4	3.6	1	0.9
Conejos	133	22	111	0	40	30.1	39	29.3	28	21.1	15	11.3	11	8.3	0	0.0
Costilla	43	8	34	1	15	35.7	11	26.2	9	21.4	4	9.5	3	7.1	1	2.3
Crowley	41	5	36	0	13	31.7	13	31.7	11	26.8	4	9.8	0	0.0	0	0.0
Custer	17	0	17	0	4	23.5	8	47.1	3	17.6	2	11.8	0	0.0	0	0.0
Delta	236	57	178	1	76	32.2	85	36.0	36	15.3	26	11.0	13	5.5	0	0.0
Denver	8,375	2,432	5,872	71	3,596	43.2	2,539	30.5	1,299	15.6	554	6.7	339	4.1	48	0.6
Dolores	24	6	18	0	7	29.2	7	29.2	7	29.2	3	12.5	0	0.0	0	0.0
Douglas	991	34	956	1	454	46.0	335	33.9	155	15.7	31	3.1	13	1.3	3	0.3
Eagle	370	33	336	1	180	49.2	126	34.4	43	11.7	14	3.8	3	0.8	4	1.1
Elbert	125	10	115	0	43	34.7	44	35.5	22	17.7	6	4.8	9	7.3	1	0.8
El Paso	7,657	993	6,653	11	3,263	42.7	2,585	33.8	1,195	15.6	404	5.3	200	2.6	10	0.1
Fremont	350	91	258	1	142	40.6	102	29.1	73	20.9	18	5.1	15	4.3	0	0.0
Garfield	418	61	356	1	156	37.5	158	38.0	70	16.8	16	3.8	16	3.8	2	0.5
Gilpin	41	5	34	2	18	46.2	11	28.2	7	17.9	2	5.1	1	2.6	2	4.9
Grand	104	8	92	4	37	35.6	39	37.5	10	9.6	14	13.5	4	3.8	0	0.0
Gunnison	129	8	121	0	56	43.8	42	32.8	19	14.8	6	4.7	5	3.9	1	0.8
Hinsdale	3	0	3	0	2	66.7	1	33.3	0	0.0	0	0.0	0	0.0	0	0.0
Huerfano	78	16	61	1	29	37.7	22	28.6	15	19.5	8	10.4	3	3.9	1	1.3
Jackson	17	5	12	0	8	47.1	2	11.8	5	29.4	2	11.8	0	0.0	0	0.0
Jefferson	6,587	663	5,896	28	2,720	41.5	2,366	36.1	998	15.2	320	4.9	152	2.3	31	0.5
Kiowa	22	1	21	0	5	22.7	6	27.3	9	40.9	2	9.1	0	0.0	0	0.0
Kit Carson	119	24	95	0	41	34.7	47	39.8	20	16.9	6	5.1	4	3.4	1	0.8
Lake	82	10	72	0	36	43.9	30	36.6	10	12.2	4	4.9	2	2.4	0	0.0
La Plata	456	74	379	3	175	38.5	159	35.0	82	18.1	23	5.1	15	3.3	2	0.4
Larimer	2,773	310	2,441	22	1,088	39.3	1,006	36.4	455	16.5	150	5.4	66	2.4	8	0.3
Las Animas	183	33	150	0	66	36.1	54	29.5	44	24.0	11	6.0	8	4.4	0	0.0
Lincoln	81	10	71	0	26	32.1	26	32.1	22	27.2	5	6.2	2	2.5	0	0.0
Logan	232	34	198	0	86	37.2	73	31.6	47	20.3	15	6.5	10	4.3	1	0.4
Mesa	1,209	263	943	3	470	38.9	426	35.3	202	16.7	66	5.5	44	3.6	1	0.1
Mineral	7	1	6	0	2	28.6	3	42.9	2	28.6	0	0.0	0	0.0	0	0.0
Moffat	152	28	123	1	66	43.4	46	30.3	26	17.1	8	5.3	6	3.9	0	0.0
Montezuma	321	72	247	2	110	34.5	101	31.7	67	21.0	25	7.8	16	5.0	2	0.6
Montrose	299	70	227	2	102	34.7	103	35.0	52	17.7	21	7.1	16	5.4	5	1.7
Morgan	371	120	248	3	120	32.3	137	36.9	58	15.6	40	10.8	16	4.3	0	0.0
Otero	322	92	230	0	117	36.3	108	33.5	54	16.8	29	9.0	14	4.3	0	0.0
Ouray	26	3	23	0	11	45.8	4	16.7	3	12.5	4	16.7	2	8.3	2	7.7
Park	101	9	91	1	39	38.6	32	31.7	23	22.8	7	6.9	0	0.0	0	0.0
Phillips	54	9	45	0	15	28.3	25	47.2	7	13.2	5	9.4	1	1.9	1	1.9
Pitkin	153	6	145	2	74	49.3	59	39.3	16	10.7	0	0.0	1	0.7	3	2.0
Prowers	243	71	171	1	99	40.9	78	32.2	37	15.3	19	7.9	9	3.7	1	0.4
Pueblo	1,752	391	1,357	4	702	40.1	569	32.5	294	16.8	120	6.9	66	3.8	1	0.1
Rio Blanco	92	14	77	1	32	35.2	36	39.6	14	15.4	4	4.4	5	5.5	1	1.1
Rio Grande	181	50	127	4	68	37.6	68	37.6	24	13.3	11	6.1	10	5.5	0	0.0
Routt	199	14	184	1	88	44.2	68	34.2	31	15.6	10	5.0	2	1.0	0	0.0
Saguache	65	21	42	2	15	23.1	25	38.5	10	15.4	8	12.3	7	10.8	0	0.0
San Juan	10	6	4	0	2	20.0	4	40.0	4	40.0	0	0.0	0	0.0	0	0.0
San Miguel	63	4	59	0	33	52.4	18	28.6	8	12.7	3	4.8	1	1.6	0	0.0

Place	Total Live Births	Mother's Education <12 Yrs	12+ Yrs	Unk	Birth Order First Number	First Percent	Second Number	Second Percent	Third Number	Third Percent	Fourth Number	Fourth Percent	Fifth + Number	Fifth + Percent	Not Stated Number	Not Stated Percen
Sedgwick	35	3	32	0	13	37.1	11	31.4	9	25.7	0	0.0	2	5.7	0	0.0
Summit	203	10	192	1	107	53.0	68	33.7	21	10.4	3	1.5	3	1.5	1	0.5
Teller	179	11	167	1	63	36.0	62	35.4	32	18.3	6	3.4	12	6.9	4	2.2
Washington	52	4	48	0	15	28.8	14	26.9	15	28.8	5	9.6	3	5.8	0	0.0
Weld	2,120	563	1,552	5	785	37.1	692	32.7	393	18.6	158	7.5	87	4.1	5	0.2
Yuma	111	18	93	0	35	31.5	35	31.5	25	22.5	8	7.2	8	7.2	0	0.0
Planning and Management Regions																
PMR 1	855	188	664	3	284	33.3	295	34.6	161	18.9	73	8.6	40	4.7	2	0.2
2	4,893	873	3,993	27	1,873	38.4	1,698	34.8	848	17.4	308	6.3	153	3.1	13	0.3
3	30,630	5,199	25,144	287	12,818	42.2	10,247	33.7	4,758	15.6	1,683	5.5	903	3.0	221	0.7
4	7,937	1,013	6,911	13	3,365	42.5	2,679	33.8	1,250	15.8	417	5.3	212	2.7	14	0.2
5	373	51	322	0	124	33.5	134	36.2	72	19.5	24	6.5	16	4.3	3	0.8
6	780	212	566	2	281	36.1	251	32.2	156	20.0	62	8.0	29	3.7	1	0.1
7	1,752	391	1,357	4	702	40.1	569	32.5	294	16.8	120	6.9	66	3.8	1	0.1
8	693	161	522	10	239	34.6	235	34.0	116	16.8	54	7.8	47	6.8	2	0.3
9	902	179	718	5	322	35.9	298	33.2	180	20.0	57	6.3	41	4.6	4	0.4
10	756	142	611	3	280	37.4	253	33.8	118	15.8	60	8.0	37	4.9	8	1.1
11	1,871	366	1,499	6	724	38.8	666	35.7	312	16.7	94	5.0	71	3.8	4	0.2
12	1,046	76	961	9	494	47.6	362	34.9	126	12.1	43	4.1	13	1.3	8	0.8
13	597	127	468	2	232	38.9	190	31.9	118	19.8	34	5.7	22	3.7	1	0.2
14	261	49	211	1	95	36.5	76	29.2	59	22.7	19	7.3	11	4.2	1	0.4
Metro/Non-Metro																
Denver PMSA	27,246	4,868	22,219	159	11,371	41.9	9,136	33.7	4,268	15.7	1,517	5.6	820	3.0	134	0.5
Denver CMSA	30,477	5,186	25,006	285	12,754	42.1	10,199	33.7	4,732	15.6	1,676	5.5	898	3.0	218	0.7
Total Metro	44,779	7,443	37,009	327	18,592	41.7	15,051	33.8	7,069	15.9	2,508	5.6	1,317	3.0	242	0.5
Non-Metro	8,567	1,584	6,938	45	3,241	38.0	2,902	34.0	1,499	17.6	540	6.3	344	4.0	41	0.5
Five-Region Substate Groups																
Front Range	44,779	7,443	37,009	327	18,592	41.7	15,051	33.8	7,069	15.9	2,508	5.6	1,317	3.0	242	0.5
West Slope	4,575	763	3,789	23	1,820	40.0	1,579	34.7	736	16.2	254	5.6	162	3.6	24	0.5
East Plains	2,008	451	1,552	5	689	34.4	680	34.0	389	19.4	159	7.9	85	4.2	6	0.3
San Luis Val	693	161	522	10	239	34.6	235	34.0	116	16.8	54	7.8	47	6.8	2	0.3
Eastern Mtns	1,291	209	1,075	7	493	38.5	408	31.8	258	20.1	73	5.7	50	3.9	9	0.7
Population-Based Regions																
1 Denver	8,375	2,432	5,872	71	3,596	43.2	2,539	30.5	1,299	15.6	554	6.7	339	4.1	48	0.6
2 Jefferson	6,587	663	5,896	28	2,720	41.5	2,366	36.1	998	15.2	320	4.9	152	2.3	31	0.5
3 Boulder	3,231	318	2,787	126	1,383	43.9	1,063	33.8	464	14.7	159	5.1	78	2.5	84	2.6
4 Adams	5,024	1,168	3,825	31	1,947	38.9	1,691	33.8	876	17.5	308	6.2	177	3.5	25	0.5
5 Arapahoe	6,269	571	5,670	28	2,654	42.5	2,205	35.3	940	15.1	304	4.9	139	2.2	27	0.4
6 El Paso	7,657	993	6,653	11	3,263	42.7	2,585	33.8	1,195	15.6	404	5.3	200	2.6	10	0.1
7 Larimer	2,773	310	2,441	22	1,088	39.3	1,006	36.4	455	16.5	150	5.4	66	2.4	8	0.3
8 Pueblo	1,752	391	1,357	4	702	40.1	569	32.5	294	16.8	120	6.9	66	3.8	1	0.1
9 Weld	2,120	563	1,552	5	785	37.1	692	32.7	393	18.6	158	7.5	87	4.1	5	0.2
10 Northwest	1,871	366	1,499	6	724	38.8	666	35.7	312	16.7	94	5.0	71	3.8	4	0.2
11 Western	1,802	218	1,572	12	774	43.3	615	34.4	244	13.7	103	5.8	50	2.8	16	0.9
12 Eastern	2,008	451	1,552	5	689	34.4	680	34.0	389	19.4	159	7.9	85	4.2	6	0.3
13 Central	2,021	194	1,820	7	852	42.4	667	33.2	354	17.6	85	4.2	52	2.6	11	0.5
14 Southern	1,856	389	1,451	16	656	35.5	609	32.9	355	19.2	130	7.0	99	5.4	7	0.4

Percentages for live-birth order are of live births with this information reported. Percentages for live-birth order not stated are of total live births. See inside back cover for descriptions of regions.

Part Four. Spontaneous Fetal Deaths

A total of 2,363 spontaneous fetal deaths were reported in Colorado in 1988, down from 2,588 in 1987. Fetal deaths were reported in two ways, as events of less than 20 weeks estimated gestation or 20 weeks gestation or greater.

Numbers of spontaneous fetal deaths reported in the state since 1947 appear in Table 38. Data are shown as available. Reporting requirements have varied over time, with all outcomes of pregnancy presently reportable in the state. However, reporting of spontaneous fetal deaths is assumed to be incomplete, especially among early gestations. In addition, counts in this report are for events occurring in Colorado only.

Gestations Less Than 20 Weeks

Spontaneous fetal deaths of less than 20 weeks estimated gestation accounted for 1,991 events in Colorado in 1988, 1,941 (97.5 percent) of which were to Colorado resident women.

Gestations 20 Weeks or Greater

The 372 spontaneous fetal deaths of 20 weeks or greater estimated gestation reported in Colorado in 1988 was the fewest since at least 1947. Reports of these late-term fetal deaths generally have decreased since a high of 836 in 1970. Colorado residents accounted for 355 (95.4 percent) of spontaneous fetal deaths of 20 weeks or greater gestation.

Calculated Gestational Age

Calculated weeks gestation for spontaneous fetal deaths of 20 weeks or more gestation appear in Table 39 crosstabulated by age of women. Gestations are calculated according to an algorithm using physician's estimate of gestation, date of fetal death and date of last normal menses. Specific gestational ages could not be calculated for 39 of the total 372 fetal deaths because of insufficient information.

Age of Women and Race of Fetus

Table 40 presents reported spontaneous fetal deaths by age of women and race of fetus.

Causes of Fetal Deaths

Certificates for fetal deaths of 20 weeks gestation or greater contain entries for cause of death similar to those for death certificates. Cause-of-death reporting for fetal deaths is limited to categories of congenital anomalies and perinatal period conditions, International Classification of Disease (Ninth Revision) codes 740-779. Table 41 presents causes of late-term spontaneous fetal deaths as reported on fetal death certificates in 1988.

Eighty percent of late fetal deaths in 1988 had specific cause-of-death entries, compared to 60 percent in 1987. Of the 296 fetal deaths with entries, 268 (90.5 percent) had perinatal period conditions mentioned and 28 (9.5 percent) had congenital anomalies mentioned.

Complications of placenta, cord and membranes were mentioned for 140 fetal deaths, nearly half of those with cause of death entries. Fetus affected by maternal complications of pregnancy (e.g. premature rupture of membranes, malpresentation before labor, multiple pregnancy) were noted for 54 fetal deaths. Other maternal conditions possibly not related directly to the pregnancy were mentioned in 31 fetal deaths, 13 of which were maternal hypertensive disorders.

These cause-of-death data may not be representative of actual fetal mortality because of the complexities of assigning cause of death among fetuses, lack of standardization of reporting, and the manner in which cause of death for fetal deaths is assigned.

Numbers of spontaneous fetal deaths by county and region appear in Table 46 of the Pregnancy chapter of this report.

Table 38. Reported Spontaneous Fetal Deaths: Colorado Occurrence, 1947-1988

Year	<20 Weeks	20+ Weeks	Gestation Unknown or Not Stated	Total	Year	<20 Weeks	20+ Weeks	Gestation Unknown or Not Stated	Total
1947	-	625	-	-	1968	1,963	598	664	3,225
1948	-	552	-	-	1969	2,594	768	500	3,862
1949	-	547	-	-					
					1970	-	836	-	-
1950	-	527	-	-	1971	-	832	-	-
1951	-	525	-	-	1972	-	604	-	-
1952	-	579	-	-	1973	-	528	-	-
1953	-	539	-	-	1974	-	566	-	-
1954	-	-	-	1,833	1975	-	561	-	-
1955	-	-	-	1,979	1976	-	582	-	-
1956	-	-	-	1,989	1977	-	625	-	-
1957	-	-	-	2,241	1978	-	571	-	-
1958	-	-	-	2,485	1979	-	419	-	-
1959	-	-	-	2,250					
					1980	2,376	420	0	2,796
1960	-	-	-	2,249	1981	2,576	471	0	3,047
1961	1,461	600	133	2,194	1982	2,586	498	0	3,084
1962	1,573	575	194	2,342	1983	2,731	479	0	3,210
1963	1,557	633	128	2,318	1984	2,561	449	0	3,010
1964	1,501	523	138	2,162	1985	2,411	426	0	2,837
1965	1,237	466	135	1,838	1986	2,108	384	0	2,492
1966	1,169	402	96	1,667	1987	2,206	382	0	2,588
1967	-	475	-	-	1988	1,991	372	0	2,363

Data are presented as available. Figures for 1970, 1971, and 1973 are for Colorado resident occurrence events only. Underreporting must be considered in any use of these data.

Table 39. Reported Spontaneous Fetal Deaths (20+ Weeks) by Age of Women and Calculated Weeks Gestation: Colorado Occurrence, 1988

Calculated Weeks Gestation	Total	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown/ Not Stated
Total	372	1	32	96	117	80	39	6	0	1
1-19	1	0	0	0	1	0	0	0	0	0
20-27	126	0	15	40	37	27	5	2	0	0
28-35	74	1	3	23	22	13	9	3	0	0
36-39	63	0	2	13	19	19	9	1	0	0
40+	69	0	8	12	27	13	9	0	0	0
Unknown/ Not Stated	39	0	4	8	11	8	7	0	0	1

Calculated gestations may be less than 20 weeks for fetal deaths reported as being of 20 weeks gestation or greater.

Table 40. Reported Spontaneous Fetal Death by Age of Mother and Race and Spanish Origin of Fetus: Colorado Occurrence, 1988

	Total	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown/ Not Stated
<20 Weeks Gestation										
All Races	1,991	4	190	470	551	465	243	52	1	15
Total White	1,704	4	160	396	472	402	208	47	1	14
Anglo White	1,519	1	131	323	435	371	200	44	1	13
Spanish Surname	185	3	29	73	37	31	8	3	0	1
Total Non-White	172	0	19	51	46	38	15	2	0	1
Black	133	0	18	45	29	25	13	2	0	1
Native American	8	0	0	3	4	1	0	0	0	0
Asian and Other	31	0	1	3	13	12	2	0	0	0
Unknown/Not Stated	115	0	11	23	33	25	20	3	0	0
20+ Weeks Gestation										
All Races	372	1	32	96	117	80	39	6	0	1
Total White	311	1	26	79	98	68	34	5	0	0
Anglo White	249	0	18	59	82	59	26	5	0	0
Spanish Surname	62	1	8	20	16	9	8	0	0	0
Total Non-White	55	0	6	17	18	9	4	1	0	0
Black	40	0	6	13	11	8	1	1	0	0
Native American	7	0	0	2	3	1	1	0	0	0
Asian and Other	8	0	0	2	4	0	2	0	0	0
Unknown/Not Stated	6	0	0	0	1	3	1	0	0	1
Non-Spanish Origin	279	0	24	69	94	61	25	6	0	0
Spanish Origin	56	1	5	18	16	9	7	0	0	0
Origin Not Stated	37	0	3	9	7	10	7	0	0	1
All Gestations										
All Races	2,363	5	222	566	668	545	282	58	1	16
Total White	2,015	5	186	475	570	470	242	52	1	14
Anglo White	1,768	1	149	382	517	430	226	49	1	13
Spanish Surname	247	4	37	93	53	40	16	3	0	1
Total Non-White	227	0	25	68	64	47	19	3	0	1
Black	173	0	24	58	40	33	14	3	0	1
Native American	15	0	0	5	7	2	1	0	0	0
Asian and Other	39	0	1	5	17	12	4	0	0	0
Unknown/Not Stated	121	0	11	23	34	28	21	3	0	1

Spanish origin is independent of race. Underreporting of spontaneous fetal deaths must be considered in any use of these data.

Table 41. Causes of Spontaneous Fetal Deaths (20+ Weeks) as Reported on Fetal Death Certificates: Colorado Occurrence, 1988

ICD9 Code	Description	Number
Total		372
740.0	Anencephalus	2
742.3	Congenital hydrocephalus	1
745.9	Unspecified defect of septal closure	1
746.7	Hypoplastic left heart syndrome	1
746.9	Unspecified anomalies of heart	1
748.5	Agenesis, hypoplasia and dysplasia of lung	2
749.1	Cleft lip	1
753.0	Renal agenesis and dysgenesis	3
753.2	Obstructive defects of renal pelvis and ureter	1
755.8	Other specified anomalies of unspecified limb	1
756.0	Anomalies of skull and face bones	1
756.7	Anomalies of abdominal wall	2
758.2	Edward's syndrome	2
758.6	Gonadal dysgenesis	1
759.4	Conjoined twins	2
759.7	Multiple congenital anomalies, so described	3
759.8	Other specified anomalies	2
759.9	Congenital anomaly, unspecified	1
760.0	Maternal hypertensive disorders	13
760.2	Maternal infections	6
760.5	Maternal injury	3
760.7	Noxious influences transmitted via placenta	2
760.8	Other maternal conditions which may be unrelated to pregnancy	7
761.0	Incompetent cervix	6
761.1	Premature rupture of membranes	17
761.2	Oligohydramnios	5
761.3	Polyhydramnios	2
761.5	Multiple pregnancy	18
761.6	Maternal death	1
761.7	Malpresentation before labor	4
761.8	Other maternal complications of pregnancy	1
762.0	Placenta praevia	2
762.1	Other forms of placental separation and hemorrhage	28
762.2	Other and unspecified morphological and functional abnormalities of placenta	21
762.3	Placental transfusion syndromes	4
762.4	Prolapsed cord	3
762.5	Other compression of umbilical cord	40
762.6	Other and unspecified conditions of umbilical cord	35
762.7	Chorioamnionitis	7
763.0	Breech delivery and extraction	1
763.1	Other malpresentation, malposition and disproportion during labor and delivery	1
763.4	Caesarean delivery	1
763.6	Precipitate delivery	1
763.7	Abnormal uterine contractions	1
763.8	Other complications of labor and delivery	1
764.9	Fetal growth retardation, unspecified	3
765.0	Extreme immaturity	1
765.1	Other preterm infants	1
768.9	Unspecified birth asphyxia	6
771.8	Other infection specific to perinatal period	2
772.0	Fetal blood loss	1
773.2	Hemolytic disease due to other and unspecified isoimmunization	1
775.0	Syndrome of "infant of a diabetic mother"	3
778.0	Hydrops fetalis not due to isoimmunization	2
779.6	Termination of pregnancy (fetus)	5
779.8	Other ill-defined conditions originating in perinatal period	12
	Unspecified and unknown	76

General underreporting of spontaneous fetal deaths and large numbers of fetal deaths with no cause-of-death mentioned should be considered in any use of these data. Causes of death are presented as reported.

Part Five. Induced Terminations of Pregnancy

The number of induced terminations of pregnancy reported in Colorado increased to 12,425 in 1988 from 12,232 in 1987. While the increase of 193 induced terminations of pregnancy was relatively small, it represented the first time since 1984 that reported induced terminations did not decrease in number in the state. The number of induced terminations of pregnancy in Colorado in 1988 was 29.2 percent fewer than the 17,550 recorded in 1984. Figure 16 shows numbers of reported induced terminations of pregnancy in Colorado between 1967 and 1988. Summary statistics for induced terminations of pregnancy appear in Table 42.

The statewide trend toward fewer induced terminations of pregnancy in recent years is consistent with national data for the period. However, induced terminations in Colorado are assumed to be underreported. An analysis of reporting of induced terminations performed by the Health Statistics Section for 1985 resulted in an estimate of about 30 percent underreporting in the state. The completeness of reporting may not be constant over time or in different parts of the state.

Residency

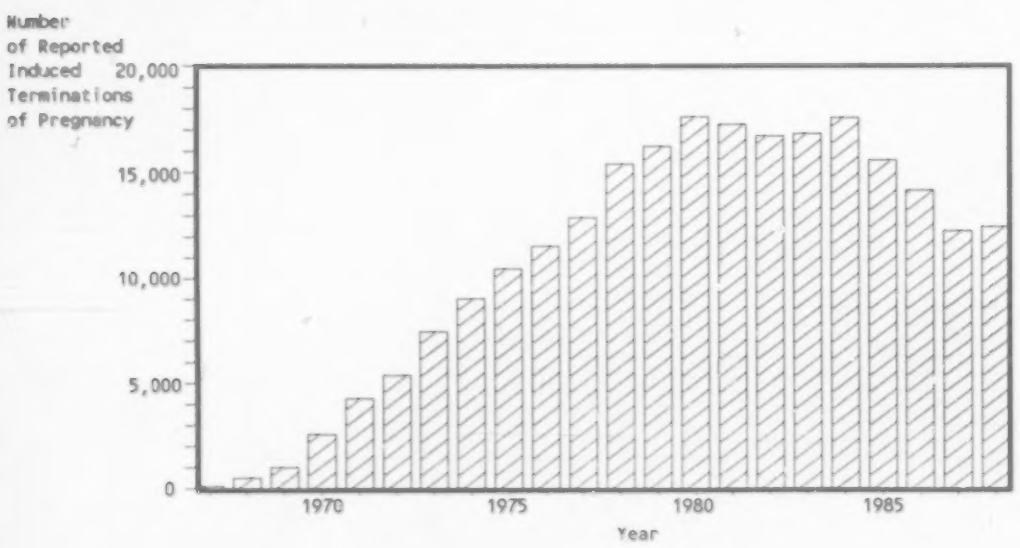
Colorado residents accounted for 11,505 (92.6 percent) of total induced terminations of pregnancy in the state in 1988. The remaining 920 terminations were reported to be residents of other states, including 241 from New Mexico, 211 from Wyoming, 139 from Nebraska, 103 from Utah and 92 from South Dakota.

Age of Women

Women aged 20-24 made up the largest share of women receiving induced terminations of pregnancy in 1988. Nearly a third of all terminations, 3,851, were to women in this age group. About one-fourth of live births in 1988 were to women aged 20-24. Teens aged 15-19 followed with 3,106 terminations, one-fourth of the total. These teens accounted for 11 percent of live births in 1988. Women in their thirties have made up a growing percentage of induced terminations of pregnancy as the size of their population has grown.

The highest reported ratios of induced terminations of pregnancy (ratios of reported induced terminations of pregnancy per 1,000 live births) appear among the youngest and oldest pregnant women. Figure 17 depicts reported ratios of induced terminations of pregnancy for Colorado resident women in 1988. While reported ratios are lower than actual ratios because of undercounts of induced terminations, the relation of ratios among age groups depicted is probably valid.

Figure 16. Reported Induced Terminations of Pregnancy: Colorado Occurrences, 1967-1988



1967	140
1968	521
1969	1,000
1970	2,581
1971	4,273
1972	5,383
1973	7,451
1974	9,027
1975	10,466
1976	11,539
1977	12,913
1978	15,397
1979	16,232
1980	17,601
1981	17,240
1982	16,685
1983	16,793
1984	17,550
1985	15,553
1986	14,144
1987	12,232
1988	12,425

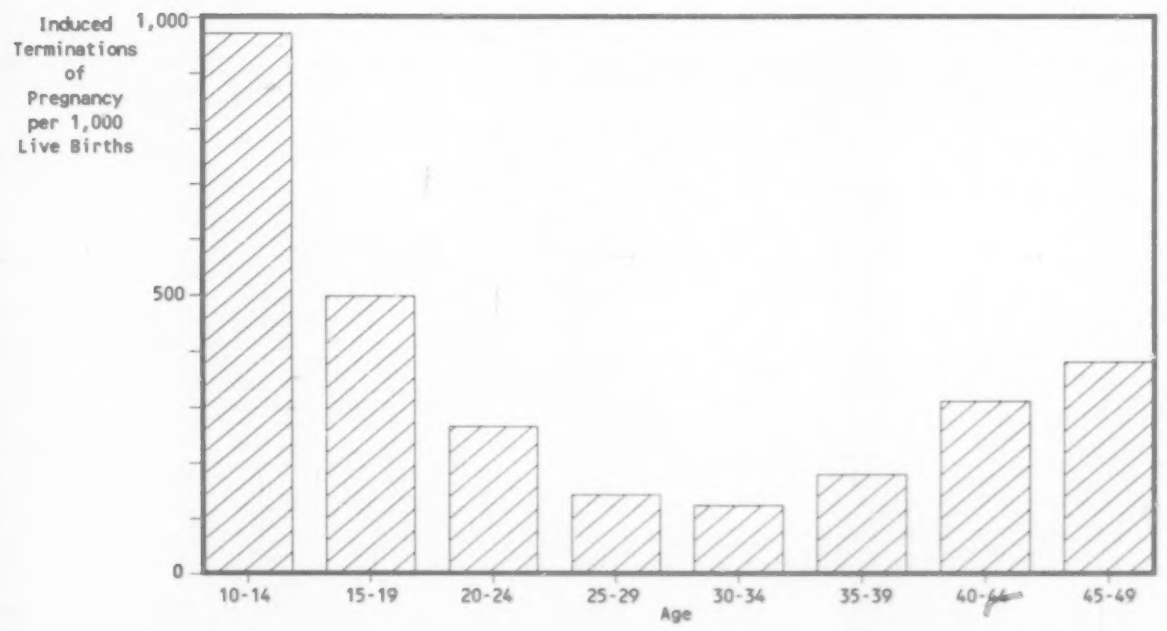
Table 42. Summary Characteristics of Reported Induced Terminations of Pregnancy: Colorado Occurrence, 1982-88

	1982		1983		1984		1985		1986		1987		1988	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	16,685		16,793		17,550		15,553		14,144		12,232		12,425	
State of Residence														
Colorado	15,486	92.9	15,799	94.2	16,636	94.8	14,623	94.1	13,304	94.1	11,361	92.9	11,505	92.6
Other Places	1,189	7.1	981	5.8	907	5.2	924	5.9	838	5.9	870	7.1	920	7.4
Not Stated	10		13		7		6		2		1		0	
Age														
<15	115	0.7	126	0.8	118	0.7	112	0.7	92	0.7	82	0.7	76	0.6
15-19	4,382	26.5	4,376	26.2	4,409	25.3	4,199	27.0	3,552	25.2	3,115	25.5	3,106	25.2
20-24	6,027	36.4	6,047	36.2	6,453	37.0	5,297	34.1	4,668	33.1	3,840	31.5	3,851	31.3
25-29	3,510	21.2	3,586	21.4	3,609	20.7	3,210	20.7	3,061	21.7	2,605	21.4	2,636	21.4
30-34	1,707	10.3	1,762	10.5	1,856	10.6	1,734	11.2	1,707	12.1	1,590	13.0	1,608	13.1
35-39	646	3.9	650	3.9	836	4.8	794	5.1	833	5.9	782	6.4	820	6.7
40-44	148	0.9	161	1.0	157	0.9	162	1.0	166	1.2	172	1.4	204	1.7
45+	19	0.1	11	0.1	18	0.1	16	0.1	5	0.0	7	0.1	9	0.1
Not Stated	131		74		94		29		60		39		115	
Race														
Total White	10,622	89.2	10,826	89.1	11,039	88.8	9,445	87.7	8,386	88.1	7,270	88.0	7,406	88.8
Spenish Surname	1,279	10.7	1,315	10.8	1,591	12.8	1,233	11.5	1,017	10.7	890	10.8	911	10.9
Black	872	7.3	942	7.7	978	7.9	878	8.2	697	7.3	625	7.6	591	7.1
Other	418	3.5	388	3.2	417	3.4	445	4.1	435	4.6	368	4.5	344	4.1
Not Stated	4,773		4,637		5,116		4,785		4,626		3,969		4,084	
Marital Status														
Married	3,440	21.5	3,339	20.8	3,836	22.8	3,398	22.0	3,106	22.5	2,524	21.0	2,514	20.5
Unmarried	12,531	78.5	12,706	79.2	12,986	77.2	12,038	78.0	10,675	77.5	9,503	79.0	9,775	79.5
Not Stated	714		748		728		117		363		205		136	
Number of Children Now Living														
0	11,059	66.9	10,900	65.3	10,701	61.2	9,883	63.8	8,755	62.2	7,288	59.8	7,287	58.9
1	2,755	16.7	2,985	17.9	3,400	19.5	2,827	18.2	2,675	19.0	2,395	19.7	2,444	19.7
2	1,825	11.0	1,962	11.7	2,337	13.4	1,934	12.5	1,811	12.9	1,715	14.1	1,783	14.4
3	616	3.7	581	3.5	698	4.0	598	3.9	580	4.1	570	4.7	628	5.1
4+	266	1.6	271	1.6	342	2.0	256	1.7	249	1.8	211	1.7	237	1.9
Not Stated	164		94		72		55		74		53		46	
Type of Procedure														
Suction Curretage	15,575	93.4	15,613	93.0	16,299	93.0	14,951	96.2	13,528	95.7	11,702	95.7	11,887	95.8
Sharp Curettage	63	0.4	50	0.3	43	0.2	42	0.3	28	0.2	17	0.1	27	0.2
Intra Saline Inst	37	0.2	18	0.1	6	0.0	3	0.0	1	0.0	4	0.0	9	0.1
Intra Prosta Inst	624	3.7	743	4.4	903	5.2	166	1.1	145	1.0	129	1.1	90	0.7
Hysterotomy/ Hysterectomy	11	0.1	10	0.1	5	0.0	8	0.1	2	0.0	5	0.0	4	0.0
Other	365	2.2	350	2.1	275	1.6	375	2.4	428	3.0	370	3.0	392	3.2
Not Stated	10		9		19		8		12		5		16	

	1982		1983		1984		1985		1986		1987		1988	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Calculated Weeks of Gestation														
8 or Less	5,936	36.0	6,350	38.0	6,674	38.2	5,868	37.9	5,339	37.9	4,603	37.8	4,528	36.5
9-10	5,710	34.6	5,687	34.0	5,540	31.7	5,159	33.4	4,694	33.3	3,931	32.3	4,194	33.8
11-12	2,605	15.8	2,549	15.2	2,818	16.1	2,496	16.1	2,243	15.9	1,942	16.0	2,144	17.3
13-15	1,104	6.7	1,147	6.9	1,260	7.2	1,158	7.5	1,092	7.8	1,023	8.4	926	7.5
16-20	1,013	6.1	857	5.1	1,031	5.9	663	4.3	577	4.1	542	4.5	490	4.0
21+	130	0.8	140	0.8	132	0.8	119	0.8	131	0.9	128	1.1	110	0.9
Not Stated	187		63		95		90		68		63		33	
Previous Induced Terminations of Pregnancy														
0	11,004	66.6	10,856	65.2	10,950	63.0	9,684	62.8	8,498	60.7	7,073	58.4	7,015	56.9
1	4,062	24.6	4,175	25.1	4,570	26.3	4,019	26.1	3,814	27.3	3,450	28.5	3,581	29.0
2	1,065	6.4	1,208	7.3	1,364	7.8	1,215	7.9	1,140	8.1	1,088	9.0	1,189	9.6
3+	381	2.3	412	2.5	505	2.9	509	3.3	544	3.9	508	4.2	550	4.5
Not Stated	173		142		161		126		148		113		90	
Facility Type														
Clinic	11,655	69.9	11,748	70.0	11,881	67.7	12,190	78.4	11,126	78.7	10,523	86.0	10,678	85.9
Hospital	2,481	14.9	2,271	13.5	2,837	16.2	1,171	7.5	1,040	7.4	853	7.0	803	6.5
Doctor's Office	2,549	15.3	2,774	16.5	2,832	16.1	2,190	14.1	1,978	14.0	856	7.0	943	7.6

Data are presented as reported. Overall underreporting and lack of reporting of specific data items must be considered in any use of these data. Percentages are of events with positive entries for each item.

Figure 17. Ratios of Reported Induced Terminations of Pregnancy by Age of Women: Colorado Residents, 1988



The ratio of reported induced terminations of pregnancy for all ages was 215.7 per 1,000 live births in 1988, meaning that there was about 1 reported induced termination for every 5 live births to Colorado residents. The ratio for ages 10-14 was highest at 971.8, followed by ratios 498.8 for ages 15-19, 381.0 for ages 45-49, and 311.0 for ages 40-44. Ratios were lowest for ages 30-34 at 124.3, ages 25-29 at 143.4, and ages 35-39 at 180.1. The ratio of reported induced terminations of pregnancy for ages 20-24 was 266.7 in 1988.

Number of Living Children

No living children were reported by 58.9 percent of women receiving induced terminations of pregnancy in 1988, down from 66.9 percent in 1982. One living child was reported by 19.7 percent of patients, and two children were reported by 14.4 percent of patients.

Calculated Weeks Gestation

There has been little change in the distribution of calculated weeks gestation for reported induced terminations of pregnancy in Colorado. In 1988, 36.5 percent of reported induced terminations were calculated to have been at 8 weeks gestation or less. Gestations of 9 or 10 weeks accounted for 33.8 percent of procedures, followed by 17.3 percent at 11-12 weeks, 7.5 percent at 13-15 weeks, and 4.0 percent at 16-20 weeks. About 1 percent of reported induced terminations of pregnancy had gestations calculated at 21 weeks or greater.

Previous Induced Terminations of Pregnancy

Increasing proportions of women receiving induced terminations of pregnancy in Colorado report having had previous terminations. Previous terminations were reported by 43.1 percent of patients in 1988, compared to 41.6 percent in 1987 and 33.4 percent in 1982.

Facility Type

Clinics continued to be the facility type reporting the greatest number of induced terminations of pregnancy. In 1988, 85.9 percent of reported induced terminations were performed in clinics. Doctors' offices reported 7.6 percent and hospitals 6.5 percent of induced terminations. Hospitals and doctors' offices have accounted for decreasing proportions of procedures since 1984, when 67.7 percent of induced terminations were performed in clinics, 16.2 percent in hospitals, and 16.1 percent in doctors' offices. The Health Statistics Section does not compile counts for individual facilities in the state.

Induced Terminations of Pregnancy by County and Region

Table 43 shows reported induced terminations of pregnancy by county of occurrence in 1988. Reported induced terminations for Colorado residents by county and region appear in Table 44. The following chapter on reported pregnancies contains additional information on induced terminations of pregnancy in Colorado.

Table 43. Reported Induced Terminations of Pregnancy by County of Occurrence: Colorado, 1988

County	Number	County	Number
Adams	90	Larimer	6
Arapahoe	2,529	Logan	2
Boulder	2,913	Mesa	805
Denver	3,684	Morgan	51
El Paso	1,568	Pitkin	11
Fremont	2	Pueblo	6
Garfield	4	Routt	82
Jefferson	3	Summit	17
La Plata	499	Weld	151

Data are presented as reported. Underreporting must be considered in any use of these data.
No other county had more than 1 induced termination of pregnancy reported in 1988.

Table 44. Reported Induced Terminations of Pregnancy by Age Group of Patient by County and Region: Colorado Residents, 1988

Place	Total	Age of Patient										
		<15	15-17	18-19	15-19	20-24	25-29	30-34	35-39	40-44	45+	Not Stated
Colorado	11,505	69	1,163	1,638	2,801	3,593	2,474	1,499	768	181	9	111
Adams	966	13	122	132	254	321	190	110	60	10	1	7
Alamosa	22	0	0	5	5	8	6	0	1	2	0	0
Arapahoe	1,435	9	164	198	362	380	314	211	123	31	0	5
Archuleta	11	0	1	2	3	1	5	2	0	0	0	0
Baca	5	0	0	0	0	2	3	0	0	0	0	0
Bent	2	0	0	0	0	0	1	1	0	0	0	0
Boulder	1,429	5	104	197	301	472	302	181	103	26	1	38
Chaffee	15	0	4	1	5	3	5	0	2	0	0	0
Cheyenne	2	0	0	0	0	2	0	0	0	0	0	0
Clear Creek	26	1	2	4	6	4	8	5	2	0	0	0
Conejos	3	0	0	0	0	1	0	1	0	1	0	0
Costilla	2	0	0	0	0	1	0	1	0	0	0	0
Crowley	1	0	0	0	0	1	0	0	0	0	0	0
Custer	3	0	0	1	1	1	0	1	0	0	0	0
Delta	53	0	10	4	14	13	12	8	6	0	0	0
Denver	2,386	19	226	295	521	752	587	323	143	30	2	9
Dolores	2	0	0	0	0	1	0	1	0	0	0	0
Douglas	111	0	14	19	33	21	18	22	13	3	0	1
Eagle	53	0	2	3	5	14	20	9	3	0	0	2
Elbert	24	1	1	2	3	7	4	7	1	1	0	0
El Paso	1,185	5	116	148	264	384	273	144	72	30	1	12
Fremont	24	0	2	5	7	10	3	1	3	0	0	0
Garfield	120	1	12	14	26	38	27	19	8	1	0	0
Gilpin	10	0	1	1	2	2	3	2	1	0	0	0
Grand	34	0	4	5	9	7	11	5	2	0	0	0
Gunnison	69	0	2	12	14	29	11	9	6	0	0	0
Hinsdale	1	0	0	0	0	1	0	0	0	0	0	0
Huerfano	9	0	3	0	3	1	2	2	0	1	0	0
Jackson	1	0	0	1	1	0	0	0	0	0	0	0
Jefferson	1,430	6	187	258	445	406	279	185	84	19	0	6
Kiowa	1	0	1	0	1	0	0	0	0	0	0	0
Kit Carson	12	0	8	0	8	1	1	1	0	1	0	0
Lake	11	0	1	3	4	3	3	1	0	0	0	0
La Plata	197	0	16	32	48	68	34	30	13	3	1	0
Larimer	431	2	30	82	112	163	85	44	17	3	0	5
Las Animas	11	0	1	3	4	6	1	0	0	0	0	0
Lincoln	7	0	2	0	2	3	0	1	0	0	0	1
Logan	52	0	2	14	16	20	5	3	5	1	2	0
Mesa	313	3	31	56	87	101	53	33	12	5	1	18
Mineral	1	0	0	1	1	0	0	0	0	0	0	0
Moffat	17	0	3	1	4	3	5	3	2	0	0	0
Montezuma	50	1	9	7	16	13	10	3	6	1	0	0
Montrose	57	0	7	14	21	16	10	7	3	0	0	0
Morgan	48	0	8	7	15	17	7	5	3	0	0	1
Otero	25	0	1	9	10	10	3	1	1	0	0	0
Ouray	10	0	1	0	1	1	3	3	2	0	0	0
Park	9	0	1	1	2	2	4	1	0	0	0	0
Phillips	1	0	0	0	0	0	0	0	0	0	0	1
Pitkin	32	0	0	1	1	6	11	6	5	2	0	1
Prowers	17	0	5	6	11	3	2	0	1	0	0	0
Pueblo	153	1	15	20	35	57	27	20	11	2	0	0
Rio Blanco	17	0	5	3	8	5	0	4	0	0	0	0
Rio Grande	15	0	2	3	5	3	4	2	1	0	0	0
Routt	88	0	2	6	8	21	27	14	16	2	0	0
Saguache	5	0	1	0	1	1	2	1	0	0	0	0
San Juan	4	0	1	1	2	1	0	0	1	0	0	0
San Miguel	31	0	1	1	2	9	6	9	3	2	0	0

Table 44, Continued.

Place	Total	Age of Patient										
		<15	15-17	18-19	15-19	20-24	25-29	30-34	35-39	40-44	45+	Not Stated
Sedgwick	1	0	0	0	0	0	1	0	0	0	0	0
Summit	67	0	0	6	6	28	21	10	1	0	0	1
Teller	23	0	4	3	7	3	4	7	2	0	0	0
Washington	13	0	1	3	4	2	1	2	3	1	0	0
Weld	337	1	26	48	74	138	57	35	26	3	0	3
Yuma	14	1	1	0	1	5	3	3	1	0	0	0
Planning and Management Regions												
PMR 1	129	1	12	24	36	44	17	13	12	2	2	2
2	768	3	56	130	186	301	142	79	43	6	0	8
3	7,793	53	820	1,104	1,924	2,358	1,701	1,039	529	119	4	66
4	1,217	5	121	152	273	389	281	152	74	30	1	12
5	45	1	11	2	13	13	5	9	1	2	0	1
6	51	0	7	15	22	16	9	2	2	0	0	0
7	153	1	15	20	35	57	27	20	11	2	0	0
8	48	0	3	9	12	14	12	5	2	3	0	0
9	264	1	27	42	69	84	49	36	20	4	1	0
10	221	0	21	31	52	69	42	36	20	2	0	0
11	467	4	51	74	125	147	85	59	22	6	1	18
12	275	0	8	22	30	76	90	44	27	4	0	4
13	53	0	7	10	17	17	11	3	5	0	0	0
14	20	0	4	3	7	7	3	2	0	1	0	0
Metro/Non-Metro												
Denver PMSA	6,328	47	713	902	1,615	1,880	1,388	851	423	93	3	28
Denver CMSA	7,757	52	817	1,099	1,916	2,352	1,690	1,032	526	119	4	66
Total Metro	9,863	61	1,004	1,397	2,401	3,094	2,132	1,275	652	157	5	86
Non-Metro	1,641	8	159	241	400	498	342	224	116	24	4	25
Five-Region Substate Groups												
Front Range	9,863	61	1,004	1,397	2,401	3,094	2,132	1,275	652	157	5	86
Western Slope	1,227	5	107	169	276	376	266	175	89	16	2	22
Eastern Plains	225	2	30	41	71	73	31	24	15	4	2	3
San Luis Valley	48	0	3	9	12	14	12	5	2	3	0	0
Eastern Mtns	141	1	19	22	41	35	33	20	10	1	0	0
Population-Based Regions												
1 Denver	2,386	19	226	295	521	752	587	323	143	30	2	9
2 Jefferson	1,430	6	187	258	445	406	279	185	84	19	0	6
3 Boulder	1,429	5	104	197	301	472	302	181	103	26	1	38
4 Adams	966	13	122	132	254	321	190	110	60	10	1	7
5 Arapahoe	1,435	9	164	198	362	380	314	211	123	31	0	5
6 El Paso	1,185	5	116	148	264	384	273	144	72	30	1	12
7 Larimer	431	2	30	82	112	163	85	44	17	3	0	5
8 Pueblo	153	1	15	20	35	57	27	20	11	2	0	0
9 Weld	337	1	26	48	74	138	57	35	26	3	0	3
10 Northwest Reg	467	4	51	74	125	147	85	59	22	6	1	18
11 Western Reg	496	0	29	53	82	145	132	80	47	6	0	4
12 Eastern Reg	225	2	30	41	71	73	31	24	15	4	2	3
13 Central Reg	232	1	29	38	67	49	48	40	23	3	0	1
14 Southern Reg	332	1	34	54	88	105	64	43	22	8	1	0

Counts are for reported induced terminations of pregnancy occurring to Colorado residents in Colorado. Underreporting of induced terminations of pregnancy must be taken into account in any use of these data. See inside back cover for descriptions of regions.

Part Six. Reported Pregnancies

The number of reported pregnancies for Colorado residents continued to decrease in 1988, reaching 67,147, the fewest since 1980. The number of pregnancies reported has fallen by 9.2 percent since the high of 73,910 in 1984. While decreases in reported induced terminations of pregnancy have most affected total pregnancy statistics, the decrease of 561 pregnancies between 1987 and 1988 was limited to live births and spontaneous fetal deaths. Counts of reported Colorado resident pregnancies by outcome between 1980 and 1988 are compared in Figure 18. Live births accounted for 79.4 percent of total reported pregnancies in 1988, up from 73.7 in 1980.

The state's reported pregnancy rate was unchanged between 1987 and 1988 at 82.1 reported pregnancies per 1,000 women aged 15-44. This summary measure had decreased in each year between 1982 and 1987. Figure 19 shows reported pregnancy rates for Colorado between 1980 and 1988.

Reported pregnancy rates were highest among women aged 25-29 in 1988. The rate of 142.5 reported pregnancies per 1,000 women in this age group represents continued increases in pregnancies. Increases also have been noted among women their thirties and forties, largely because of increased rates of childbearing.

The rate for women aged 20-24 was virtually unchanged at 133.4 in 1988, followed by rates of 90.2 for women aged 30-34, 72.2 for ages 15-19, 35.9 for ages 35-39, and 6.9 for ages 40-44. Table 45 details counts of reported Colorado pregnancy and fertility rates by age of women for the years 1980 through 1988. Average annual rates also are provided. Figure 20 compares reported pregnancy rates by age of women between 1980 and 1988.

As discussed in chapters of this report on induced terminations of pregnancy and spontaneous fetal deaths, underreporting of these events must be considered in any use of these data. Reported pregnancy rates for Colorado may not always be comparable by year or by place because of differences in completeness of reporting. In addition, available U.S. pregnancy data for comparison are limited to estimates based on various methods. Because of these qualifications, live birth data provide a more reliable measure of trends in pregnancy by age group and place of residence.

Reported Pregnancies by County and Region

Reported pregnancies by outcome by county and region of residence are shown in Table 46. General fertility and reported pregnancy rates are included. Other reported pregnancy data by county may be found in Reported Pregnancy in Colorado, 1980-87 available from the Health Statistics Section. An update to this report containing data for 1988 is planned.

Figure 18. Reported Pregnancies by Outcome: Colorado Residents, 1980-88

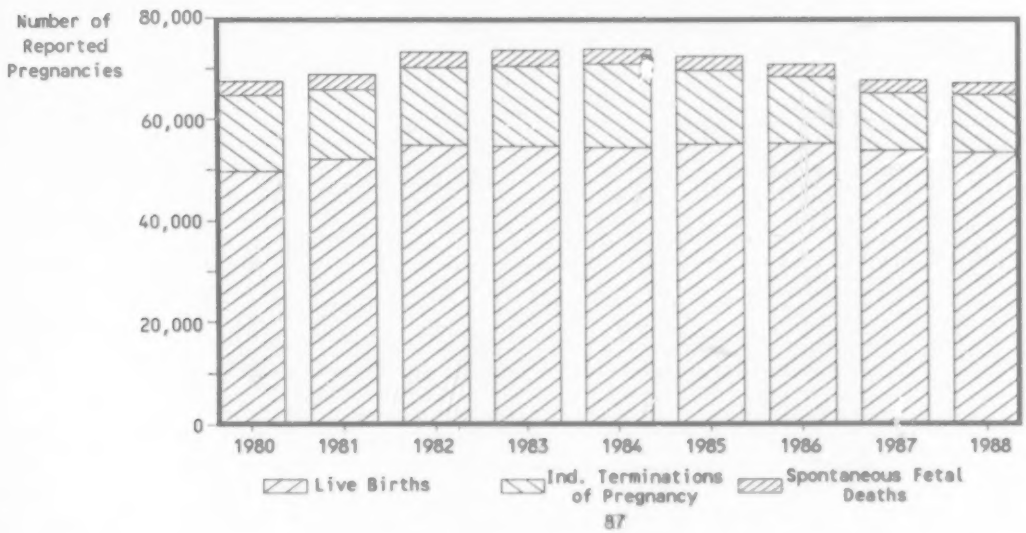


Figure 19. Reported Pregnancy Rates: Colorado Residents, 1980-88

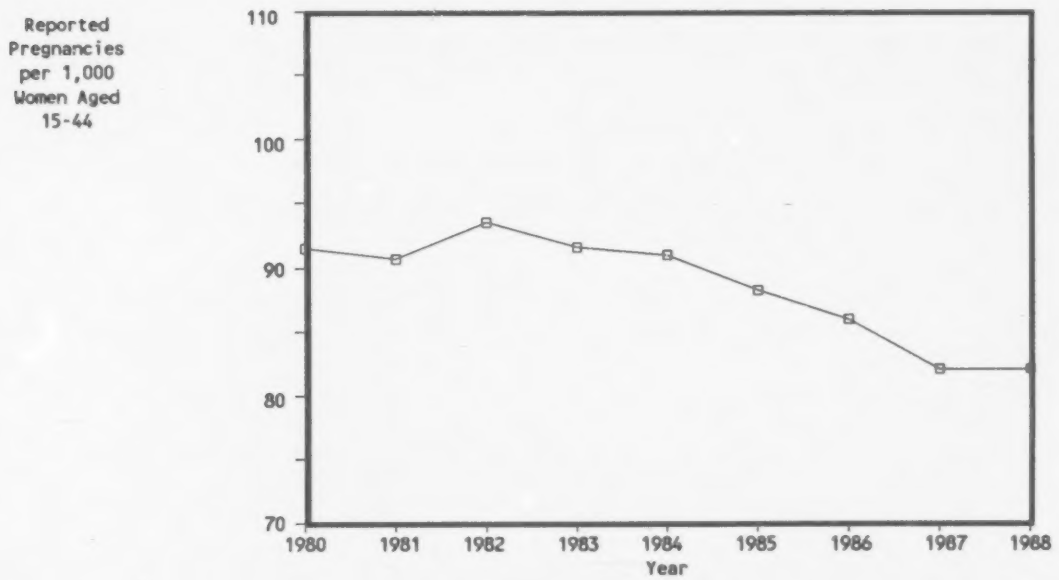


Figure 20. Reported Pregnancy Rates by Age Group of Women: Colorado Residents, 1980-88

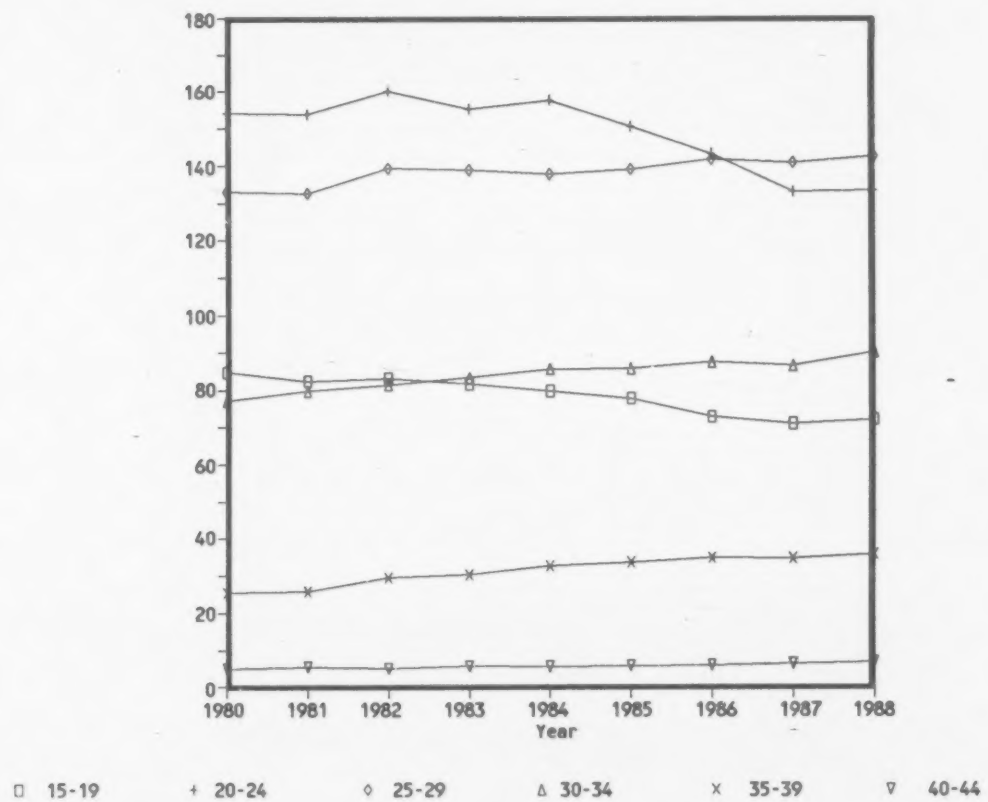


Table 45. Reported Pregnancies by Outcome and Age of Women with Selected Rates: Colorado Residents, 1980-88

Year/Age of Woman	Number of Women	Live Births	Spontaneous Fetal Deaths <20 Wks	Spontaneous Fetal Deaths 20+ Wks	Spontaneous Fetal Deaths Total	Induced Terminations of Pregnancy	Total Reported Pregnancies	Reported Pregnancy Rate	Fertility Rate
1980									
All Ages	736,879	49,716	2,324	401	2,725	15,011	67,452	91.5	67.5
13-14	46,534	55	4	2	6	93	154	3.3	1.2
15-17	76,517	2,136	90	21	111	1,675	3,922	51.3	27.9
18-19	55,287	4,394	194	33	227	2,640	7,261	131.3	79.5
10-14	111,730	57	4	2	6	98	161	1.4	0.5
15-19	131,804	6,530	284	54	338	4,315	11,183	84.8	49.5
20-24	149,190	16,642	701	117	818	5,549	23,009	154.2	111.5
25-29	149,981	16,081	744	134	878	3,000	19,959	133.1	107.2
30-34	131,692	8,349	418	65	483	1,327	10,159	77.1	63.4
35-39	96,908	1,842	129	20	149	479	2,470	25.5	19.0
40-44	77,304	198	30	4	34	154	386	5.0	2.6
45-49	69,313	12	3	0	3	4	19	0.3	0.2
1981									
All Ages	759,059	52,104	2,490	457	2,947	13,800	68,851	90.7	68.6
13-14	46,179	76	1	0	1	94	171	3.7	1.6
15-17	75,760	2,064	87	23	110	1,444	3,618	47.8	27.2
18-19	55,047	4,523	212	45	257	2,383	7,163	130.1	82.2
10-14	111,206	77	2	0	2	102	181	1.6	0.7
15-19	130,807	6,587	299	68	367	3,827	10,781	82.4	50.4
20-24	150,651	17,137	739	133	872	5,165	23,174	153.8	113.8
25-29	153,802	16,807	740	143	883	2,712	20,402	132.7	109.3
30-34	138,776	9,170	503	75	578	1,326	11,074	79.8	66.1
35-39	104,283	2,045	154	28	182	461	2,688	25.8	19.6
40-44	80,740	266	39	5	44	133	443	5.5	3.3
45-49	70,514	11	5	0	5	11	27	0.4	0.2
1982									
All Ages	783,748	54,786	2,509	479	2,988	15,486	73,260	93.5	69.9
13-14	46,050	59	4	0	4	98	161	3.5	1.3
15-17	75,359	2,034	86	24	110	1,623	3,767	50.0	27.0
18-19	55,022	4,463	179	46	225	2,393	7,081	128.7	81.1
10-14	111,314	62	4	0	4	101	167	1.5	0.6
15-19	130,381	6,497	265	70	335	4,016	10,848	83.2	49.8
20-24	152,510	17,965	713	144	857	5,611	24,433	160.2	117.8
25-29	157,851	17,801	780	135	915	3,282	21,998	139.4	112.8
30-34	145,737	9,685	503	90	593	1,607	11,885	81.6	66.5
35-39	112,187	2,492	199	23	222	598	3,312	29.5	22.2
40-44	85,082	268	30	9	39	127	434	5.1	3.1
45-49	72,132	10	4	1	5	18	33	0.5	0.1
1983									
All Ages	803,530	54,644	2,660	462	3,122	15,799	73,565	91.6	68.0
13-14	45,765	80	7	0	7	104	191	4.2	1.7
15-17	74,670	2,012	82	25	107	1,650	3,769	50.5	26.9
18-19	54,568	4,165	148	36	184	2,438	6,787	124.4	76.3
10-14	111,187	81	7	0	7	109	197	1.8	0.7
15-19	129,238	6,177	230	61	291	4,088	10,556	81.7	47.8
20-24	152,284	17,088	724	128	852	5,701	23,641	155.2	112.2
25-29	160,254	17,893	844	137	981	3,392	22,266	138.9	111.7
30-34	151,707	10,304	590	85	675	1,672	12,651	83.4	67.9
35-39	120,014	2,766	216	40	256	614	3,636	30.3	23.0
40-44	90,033	319	34	6	40	149	508	5.6	3.5
45-49	74,107	10	4	0	4	7	21	0.3	0.1

Table 45, Continued.

Year/Age of Woman	Number of Women	Live Births	Spontaneous Fetal Deaths <20 Wks	Spontaneous Fetal Deaths 20+ Wks	Spontaneous Fetal Deaths Total	Induced Terminations of Pregnancy	Total Reported Pregnancies	Reported Pregnancy Rate	Fertility Rate
1984									
All Ages	812,571	54,339	2,501	434	2,935	16,636	73,910	91.0	66.9
13-14	45,275	65	6	0	6	104	175	3.9	1.4
15-17	73,511	1,856	80	14	94	1,705	3,655	49.7	25.2
18-19	53,472	3,868	151	51	202	2,422	6,492	121.4	72.3
10-14	110,600	66	7	0	7	109	182	1.6	0.6
15-19	126,983	5,724	231	65	296	4,127	10,147	79.9	45.1
20-24	148,993	16,541	684	107	791	6,154	23,486	157.6	111.0
25-29	159,122	17,655	724	126	850	3,432	21,937	137.9	111.0
30-34	155,349	10,879	568	103	671	1,776	13,326	85.8	70.0
35-39	126,965	3,121	215	26	241	784	4,146	32.7	24.6
40-44	95,159	334	44	4	48	147	529	5.6	3.5
45-49	76,187	11	4	1	5	13	29	0.4	0.1
1985									
All Ages	820,693	55,115	2,337	417	2,754	14,623	72,492	88.3	67.2
13-14	44,982	89	0	1	1	98	188	4.2	2.0
15-17	72,690	1,937	63	17	80	1,667	3,684	50.7	26.6
18-19	52,586	3,697	140	20	160	2,209	6,066	115.4	70.3
10-14	110,462	90	0	1	1	103	194	1.8	0.8
15-19	125,276	5,634	203	37	240	3,876	9,750	77.8	45.0
20-24	145,916	16,242	590	116	706	5,010	21,958	150.5	111.3
25-29	157,218	18,065	658	116	774	3,039	21,878	139.2	114.9
30-34	157,909	11,231	579	102	681	1,651	13,563	85.9	71.1
35-39	133,562	3,464	244	32	276	752	4,492	33.6	25.9
40-44	100,812	370	48	9	57	150	577	5.7	3.7
45-49	78,791	13	1	0	1	13	27	0.3	0.2
1986									
All Ages	824,512	55,142	2,053	371	2,424	13,304	70,870	86.0	66.9
13-14	44,776	82	2	0	2	83	167	3.7	1.8
15-17	72,121	1,953	64	15	79	1,529	3,561	49.4	27.1
18-19	51,939	3,609	111	22	133	1,737	5,479	105.5	69.5
10-14	110,405	83	3	0	3	85	171	1.5	0.8
15-19	124,060	5,562	175	37	212	3,266	9,040	72.9	44.8
20-24	143,210	15,546	455	83	538	4,425	20,509	143.2	108.6
25-29	153,302	18,078	621	122	743	2,904	21,725	141.7	117.9
30-34	158,202	11,634	507	95	602	1,616	13,852	87.6	73.5
35-39	139,105	3,824	212	29	241	784	4,849	34.9	27.5
40-44	106,633	404	59	4	63	159	626	5.9	3.8
45-49	81,892	8	4	0	4	4	16	0.2	0.1
1987									
All Ages	824,251	53,803	2,173	371	2,544	11,361	67,708	82.1	65.3
13-14	44,600	82	5	1	6	68	156	3.5	1.8
15-17	71,404	1,983	63	22	85	1,230	3,298	46.2	27.8
18-19	50,864	3,652	100	22	122	1,621	5,395	106.1	71.8
10-14	110,548	82	5	1	6	70	158	1.4	0.7
15-19	122,268	5,635	163	44	207	2,851	8,693	71.1	46.1
20-24	138,349	14,245	495	97	592	3,573	18,410	133.1	103.0
25-29	148,772	17,748	641	110	751	2,458	20,957	140.9	119.3
30-34	157,903	11,602	511	77	588	1,479	13,669	86.6	73.5
35-39	144,146	3,964	292	36	328	729	5,021	34.8	27.5
40-44	112,813	505	52	3	55	159	719	6.4	4.5
45-49	85,637	16	2	1	3	6	25	0.3	0.2

Year/Age of Women	Number of Women	Live Births	Spontaneous Fetal Deaths <20 Wks	20+ Wks	Total	Induced Terminations of Pregnancy	Total Reported Pregnancies	Reported Pregnancy Rate	Fertility Rate
1988									
All Ages	817,650	53,346	1,941	355	2,296	11,505	67,147	82.1	65.2
13-14	44,262	71	4	1	5	67	143	3.2	1.6
15-17	70,250	1,943	73	12	85	1,163	3,191	45.4	27.7
18-19	49,356	3,672	115	20	135	1,638	5,445	110.3	74.4
10-14	110,348	71	4	1	5	69	145	1.3	0.6
15-19	119,606	5,615	188	32	220	2,801	8,636	72.2	46.9
20-24	132,030	13,474	459	92	551	3,593	17,618	133.4	102.1
25-29	142,979	17,254	536	111	647	2,474	20,375	142.5	120.7
30-34	156,171	12,060	452	75	527	1,499	14,086	90.2	77.2
35-39	148,027	4,265	238	38	276	768	5,309	35.9	28.8
40-44	118,837	582	48	6	54	181	817	6.9	4.9
45-49	89,748	21	1	0	1	8	30	0.3	0.2
Three-Year Average Annual, 1980-82									
All Ages	759,895	52,202	2,441	446	2,887	14,766	69,854	91.9	68.7
13-14	46,254	63	3	1	4	95	162	3.5	1.4
15-17	75,879	2,078	88	23	110	1,581	3,769	49.7	27.4
18-19	55,119	4,460	195	41	236	2,472	7,168	130.1	80.9
10-14	111,417	65	3	1	4	100	170	1.5	0.6
15-19	130,997	6,538	283	64	347	4,053	10,937	83.5	49.9
20-24	150,784	17,248	718	131	849	5,442	23,539	156.1	114.4
25-29	153,878	16,896	755	137	892	2,998	20,786	135.1	109.8
30-34	138,735	9,068	475	77	551	1,420	11,039	79.6	65.4
35-39	104,459	2,126	161	24	184	513	2,823	27.0	20.4
40-44	81,042	244	33	6	39	138	421	5.2	3.0
45-49	70,653	11	4	0	4	11	26	0.4	0.2
Three-Year Average Annual, 1983-85									
All Ages	812,265	54,699	2,499	438	2,937	15,686	73,322	90.3	67.3
13-14	45,341	78	4	0	5	102	185	4.1	1.7
15-17	73,624	1,935	75	19	94	1,674	3,703	50.3	26.3
18-19	53,542	3,910	146	36	182	2,356	6,448	120.4	73.0
10-14	110,750	79	5	0	5	107	191	1.7	0.7
15-19	127,166	5,845	221	54	276	4,030	10,151	79.8	46.0
20-24	149,064	16,624	666	117	783	5,622	23,028	154.5	111.5
25-29	158,865	17,871	742	126	868	3,288	22,027	138.7	112.5
30-34	154,988	10,805	579	97	676	1,700	13,180	85.0	69.7
35-39	126,847	3,117	225	33	258	717	4,091	32.3	24.6
40-44	95,335	341	42	6	48	149	538	5.6	3.6
45-49	76,362	11	3	0	3	11	26	0.3	0.1
Three-Year Average Annual, 1986-88									
All Ages	822,138	54,097	2,056	366	2,421	12,057	68,575	83.4	65.8
13-14	44,546	78	4	1	4	73	155	3.5	1.8
15-17	71,258	1,960	67	16	83	1,307	3,350	47.0	27.5
18-19	50,720	3,644	109	21	130	1,665	5,440	107.2	71.9
10-14	110,434	79	4	1	5	75	158	1.4	0.7
15-19	121,978	5,604	175	38	213	2,973	8,790	72.1	45.9
20-24	137,863	14,422	470	91	560	3,864	18,846	136.7	104.6
25-29	148,351	17,693	599	114	714	2,612	21,019	141.7	119.3
30-34	157,425	11,765	490	82	572	1,531	13,869	88.1	74.7
35-39	143,759	4,018	247	34	282	760	5,060	35.2	27.9
40-44	112,761	497	53	4	57	166	721	6.4	4.4
45-49	85,759	15	2	0	3	6	24	0.3	0.2

Reported pregnancy rate for all ages is total reported pregnancies per 1,000 women aged 15-44. Fertility rate for all ages is total live births per 1,000 women aged 15-44. Age-specific reported pregnancy and fertility rates are per 1,000 women in each age group. Populations for "all ages" are for ages 15-44. Population figures used are 1988-based preliminary estimates from the Demographic Section, Colorado Department of Local Affairs.

Table 46. Reported Pregnancies by Outcome and General Fertility and Reported Pregnancy Rates by County and Region: Colorado Residents, 1988

Place	Population of Women Aged 15-44	Live Births	Fetal Deaths <20 Wks	Fetal Deaths 20+ Wks	Total Fetal Deaths	Induced Terminations of Pregnancy	Total Reported Pregnancies	Reported Pregnancy Rate	General Fertility Rate
Colorado	817,650	53,346	1,941	355	2,296	11,505	67,148	82.1	65.2
Adams	66,092	5,024	155	39	194	966	6,184	93.6	76.0
Alamosa	3,090	264	2	2	4	22	290	93.9	85.4
Arapahoe	98,446	6,269	311	37	348	1,435	8,052	81.8	63.7
Archuleta	1,111	91	0	0	0	11	102	91.8	81.9
Baca	876	76	2	1	3	5	84	95.9	86.8
Bent	1,082	76	6	0	6	2	84	77.6	70.2
Boulder	59,843	3,231	100	24	124	1,429	4,784	79.9	54.0
Chaffee	2,583	148	7	1	8	15	171	66.2	57.3
Cheyenne	473	48	2	0	2	2	52	109.9	101.5
Clear Creek	1,666	112	1	0	1	26	139	83.4	67.2
Conejos	1,750	133	0	1	1	3	137	78.3	76.0
Costilla	723	43	0	2	2	2	47	65.0	59.5
Crowley	707	41	1	0	1	1	43	60.8	58.0
Custer	436	17	2	0	2	3	22	50.5	39.0
Delta	4,520	236	17	3	20	53	309	68.4	52.2
Denver	123,281	8,375	319	58	377	2,386	11,138	90.3	67.9
Dolores	317	24	3	0	3	2	29	91.5	75.7
Douglas	12,400	991	44	3	47	111	1,149	92.7	79.9
Eagle	5,732	370	10	3	13	53	436	76.1	64.5
Elbert	2,476	125	7	0	7	24	156	63.0	50.5
El Paso	96,940	7,657	307	48	355	1,185	9,197	94.9	79.0
Fremont	6,036	350	12	5	17	24	391	64.8	58.0
Garfield	6,238	418	37	2	39	120	577	92.5	67.0
Gilpin	598	41	0	0	0	10	51	85.3	68.6
Grand	2,417	104	3	1	4	34	142	58.8	43.0
Gunnison	3,495	129	1	2	3	69	201	57.5	36.9
Hinsdale	73	3	0	0	0	1	4	54.8	41.1
Huerfano	1,381	78	0	0	0	9	87	63.0	56.5
Jackson	333	17	0	1	1	1	19	57.1	51.1
Jefferson	105,922	6,587	254	29	283	1,430	8,300	78.4	62.2
Kiowa	276	22	2	0	2	1	25	90.6	79.7
Kit Carson	1,574	119	0	0	0	12	131	83.2	75.6
Lake	1,368	82	3	0	3	11	96	70.2	59.9
La Plata	7,773	456	5	4	9	197	662	85.2	58.7
Larimer	48,464	2,773	56	24	80	431	3,284	67.8	57.2
Las Animas	2,902	183	2	1	3	11	197	67.9	63.1
Lincoln	871	81	4	4	8	7	96	110.2	93.0
Logan	4,172	232	3	3	6	52	290	69.5	55.6
Mesa	20,387	1,209	23	8	31	313	1,553	76.2	59.3
Mineral	118	7	0	1	1	1	9	76.3	59.3
Moffat	2,393	152	14	4	18	17	187	78.1	63.5
Montezuma	3,429	321	19	3	22	50	393	114.6	93.6
Montrose	5,562	299	5	4	9	57	365	65.6	53.8
Morgan	4,714	371	19	2	21	48	440	93.3	78.7
Otero	4,489	322	22	1	23	25	370	82.4	71.7
Ouray	426	26	0	0	0	10	36	84.5	61.0
Park	1,466	101	5	0	5	9	115	78.4	68.9
Phillips	855	54	0	1	1	1	56	65.5	63.2
Pitkin	4,203	153	14	0	14	32	199	47.3	36.4
Prowers	2,945	243	20	2	22	17	282	95.8	82.5
Pueblo	30,521	1,752	44	9	53	153	1,958	64.2	57.4
Rio Blanco	1,113	92	2	0	2	17	111	99.7	82.7
Rio Grande	2,397	181	1	0	1	15	197	82.2	75.5
Routt	3,912	199	12	0	12	88	299	76.4	50.9
Saguache	762	65	4	1	5	5	75	98.4	85.3
San Juan	168	10	1	0	1	4	15	89.3	59.5
San Miguel	1,137	63	5	0	5	31	99	87.1	55.4

Place	Population of Women Aged 15-44	Live Births	Fetal Deaths <20 Wks	Fetal Deaths 20+ Wks	Total Fetal Deaths	Induced Terminations of Pregnancy	Total Reported Pregnancies	Reported Pregnancy Rate	General Fertility Rate
Sedgwick	557	35	0	0	0	1	36	64.6	62.8
Summit	4,150	203	4	0	4	67	274	66.0	48.9
Teller	2,833	179	5	3	8	23	210	74.1	63.2
Washington	951	52	0	1	1	13	66	69.4	54.7
Weld	36,946	2,120	44	15	59	337	2,516	68.1	57.4
Yuma	1,954	111	0	2	2	14	127	65.0	56.8
Planning and Management Regions									
PMR 1	13,203	855	22	9	31	129	1,015	76.9	64.8
2	85,410	4,893	100	39	139	768	5,800	67.9	57.3
3	468,248	30,630	1,184	190	1,374	7,793	39,797	85.0	65.4
4	101,239	7,937	317	51	368	1,217	9,522	94.1	78.4
5	5,394	373	13	4	17	45	435	80.6	69.2
6	10,375	780	53	4	57	51	888	85.6	75.2
7	30,521	1,752	44	9	53	153	1,958	64.2	57.4
8	8,840	693	7	7	14	48	755	85.4	78.4
9	12,798	902	28	7	35	264	1,201	93.8	70.5
10	15,213	756	28	9	37	221	1,014	66.7	49.7
11	30,131	1,871	76	14	90	467	2,428	80.6	62.1
12	20,747	1,046	43	5	48	275	1,369	66.0	50.4
13	10,423	597	24	6	30	53	680	65.2	57.3
14	4,283	261	2	1	3	20	284	66.3	60.9
Metro/Non-Metro									
Denver PMSA	406,141	27,246	1,083	166	1,249	6,328	34,823	85.7	67.1
Denver CMSA	465,984	30,477	1,183	190	1,373	7,757	39,607	85.0	65.4
Total Metro	678,855	44,779	1,634	286	1,920	9,863	56,562	83.3	66.0
Non-Metro	137,970	8,567	307	69	376	1,641	10,584	76.7	62.1
Five-Region Substate Groups									
Front Range	678,855	44,779	1,634	286	1,920	9,863	56,562	83.3	66.0
Western Slope	78,889	4,575	175	35	210	1,227	6,012	76.2	58.0
Eastern Plains	28,972	2,008	88	17	105	225	2,338	80.7	69.3
San Luis Valley	8,840	693	7	7	14	48	755	85.4	78.4
Eastern Mtns	21,269	1,291	37	10	47	141	1,479	69.5	60.7
Population-Based Regions									
1 Denver	123,281	8,375	319	58	377	2,386	11,138	90.3	67.9
2 Jefferson	105,922	6,587	254	29	283	1,430	8,300	78.4	62.2
3 Boulder	59,843	3,231	100	24	124	1,429	4,784	79.9	54.0
4 Adams	66,092	5,024	155	39	194	966	6,184	93.6	76.0
5 Arapahoe	98,446	6,269	311	37	348	1,435	8,052	81.8	63.7
6 El Paso	96,940	7,657	307	48	355	1,185	9,197	94.9	79.0
7 Larimer	48,464	2,773	56	24	80	431	3,284	67.8	57.2
8 Pueblo	30,521	1,752	44	9	53	153	1,958	64.2	57.4
9 Weld	36,946	2,120	44	15	59	337	2,516	68.1	57.4
10 Northwest Reg	30,131	1,871	76	14	90	467	2,428	80.6	62.1
11 Western Reg	35,960	1,802	71	14	85	496	2,383	66.3	50.1
12 Eastern Reg	28,972	2,008	88	17	105	225	2,338	80.7	69.3
13 Central Reg	29,386	2,021	79	12	91	232	2,344	79.8	68.8
14 Southern Reg	25,921	1,856	37	15	52	332	2,240	86.4	71.6

General fertility rate is total live births per 1,000 female population aged 15-44. Reported pregnancy rate is total reported pregnancies per 1,000 live births aged 15-44. Underreporting of induced terminations and spontaneous fetal deaths must be considered on any use of these data. See inside back cover for descriptions of regions.

Part Seven. Deaths

Number of Deaths

Colorado resident deaths totaled 21,312 in 1988, up from 21,089 in 1987 and 20,768 in 1986. Of total resident deaths, 20,779 (97.5 percent) occurred in Colorado and 533 (2.5 percent) occurred out of state.

With 956 deaths to non-residents in 1988, 21,735 deaths actually occurred in Colorado in 1988. Increases in the number of deaths over time largely reflect Colorado's growing and aging population.

Crude Death Rates

Colorado's crude death rate increased to 6.5 deaths per 1,000 population in 1988, up from 6.4 in both 1986 and 1987. The state's death rate has ranged between 6.2 and 6.5 since 1979. Increases in the death rate can be expected as the number of older Coloradans increases.

Colorado's death rate continued to be lower than the U.S. rate, which increased to 8.8 in 1988 from the rate of 8.7 that held between 1985 and 1987. Table 47 presents Colorado and U.S. crude death rates for selected years between 1910 and 1988. Figure 21 compares crude death rates for Colorado and the nation between 1960 and 1988.

Deaths by Age and Sex

The median age at death for Colorado residents was 73.7 years in 1988, compared with 74.2 in 1987 and 73.7 in 1986. The female median age at death of 77.8 in 1988 was down slightly from the median age of 78.1 in 1987. Among males, however, the median age at death of 70.8 was higher than that of 70.5 years in 1987. These figures indicate the disparity in general patterns in mortality between the sexes.

Figure 22 presents crude death rates by sex for Colorado residents between 1970 and 1988. Colorado males accounted for 11,057 of the 21,312 deaths in 1988, 51.9 percent of the total. Female deaths totaled 10,255 in 1988.

Seventy percent of deaths occurred at age 65 or older. Shorter life expectancies among males can be seen in the proportions of deaths before age 65 by sex. Only 22.8 percent of females who died in 1988 were younger than age 65, compared with 36.5 percent of males. Table 48 shows deaths by age group and sex for Colorado residents between 1970 and 1988.

Higher death rates among males of all ages can be seen in Table 49, which shows death rates by age and sex for the period 1970 through 1988. Death rates for both sexes drop sharply after infancy and slowly increase with each succeeding age group. Death rates for all age-and-sex groups have decreased since the early 1970s. Similar decreases have occurred among all age groups in the United States as a whole. Colorado death rates by age group have averaged lower than those for the nation for all age groups except ages 15-24 and 85 and older, whose rates in the state have been comparable to U.S. rates.

Table 47. Deaths and Death Rates: Colorado Residents and United States, Selected Years, 1910-1988

Year	Colorado Population	Colorado Number	Colorado Rate	U.S. Rate
1910	799,024	11,053	13.8	14.7
1920	939,629	13,569	14.4	13.0
1930	1,035,791	13,191	12.7	11.3
1940	1,123,296	12,181	10.8	10.8
1950	1,325,089	12,222	9.2	9.6
1960	1,753,947	15,351	8.8	9.5
1961	1,840,000	15,128	8.2	9.3
1962	1,900,000	15,992	8.4	9.5
1963	1,940,000	16,106	8.3	9.6
1964	1,970,000	16,400	8.3	9.4
1965	1,990,000	16,206	8.1	9.4
1966	2,010,000	16,325	8.1	9.5
1967	2,050,000	16,321	8.0	9.4
1968	2,120,000	17,705	8.4	9.7
1969	2,170,000	17,081	7.9	9.5
1970	2,228,340	17,439	7.8	9.5
1971	2,303,608	17,892	7.8	9.3
1972	2,404,715	17,856	7.4	9.4
1973	2,495,942	18,633	7.5	9.3
1974	2,541,424	17,851	7.0	9.1
1975	2,586,243	17,401	6.7	8.8
1976	2,632,370	17,966	6.8	8.8
1977	2,696,179	17,875	6.6	8.6
1978	2,766,843	18,325	6.6	8.7
1979	2,849,298	18,408	6.5	8.5
1980	2,908,277	18,927	6.5	8.8
1981	2,983,997	19,360	6.5	8.6
1982	3,071,710	19,638	6.4	8.5
1983	3,148,360	19,531	6.2	8.6
1984	3,189,378	20,356	6.4	8.6
1985	3,232,494	20,234	6.3	8.7
1986	3,265,337	20,768	6.4	8.7
1987	3,293,174	21,089	6.4	8.7
1988	3,301,467	21,312	6.5	8.8

Rates are per 1,000 population. U.S. data are from the National Center for Health Statistics and are provisional for 1987 and 1988. Population figures are 1988-based estimates from the Demographic Section, Colorado Department of Local Affairs. See technical notes for explanation of population figures.

Figure 21. Crude Death Rates: Colorado Residents and United States, 1960-1988

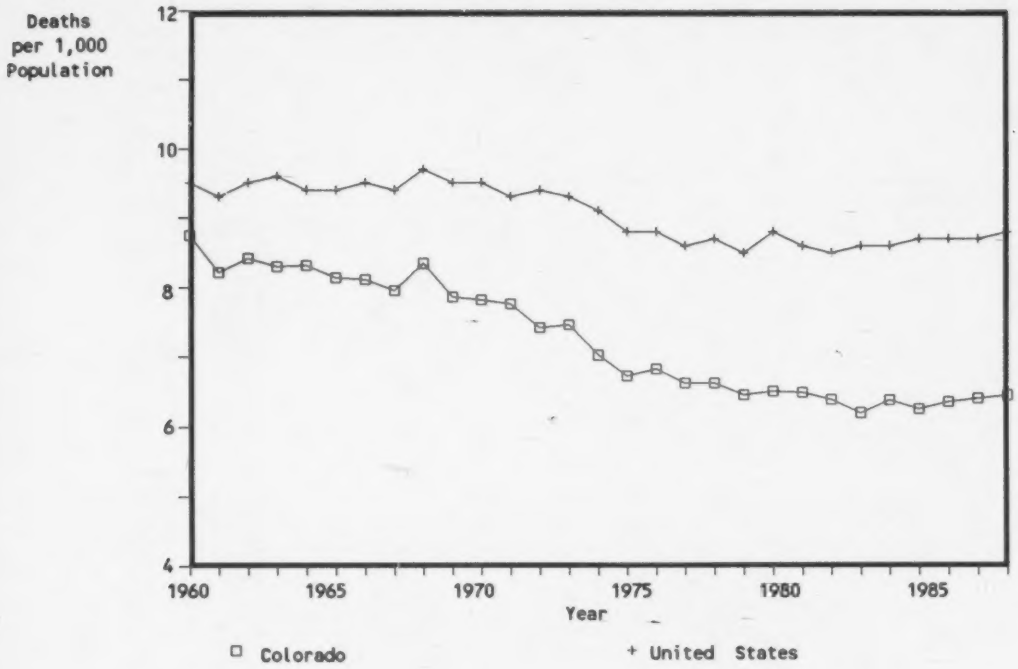


Figure 22. Crude Death Rates by Sex: Colorado Residents, 1970-1988

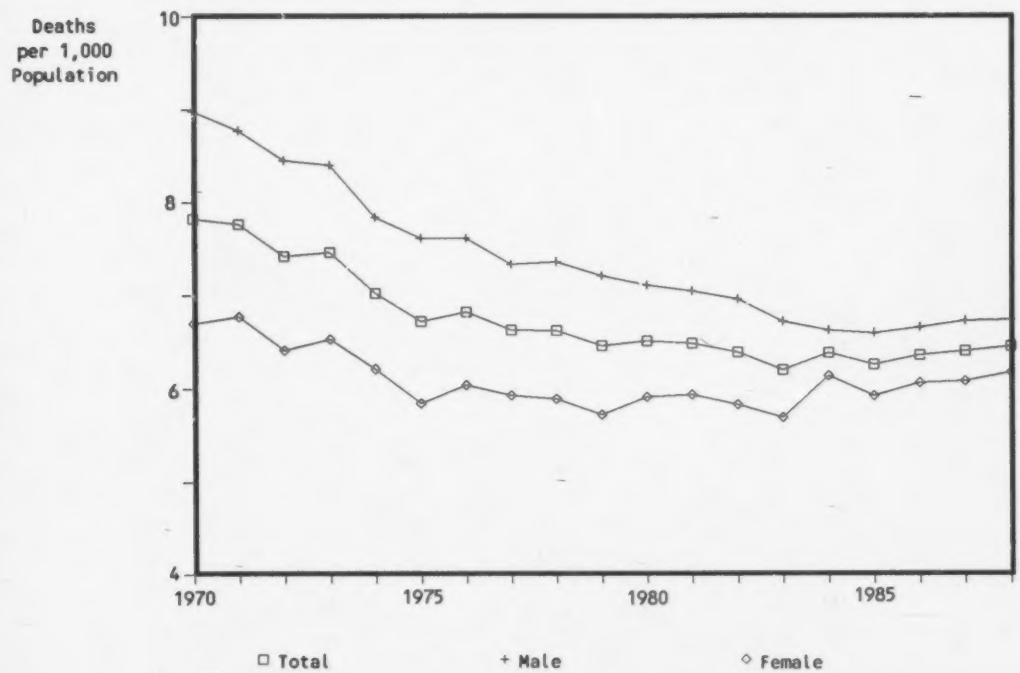


Table 48. Deaths by Age and Sex: Colorado Residents, 1970-1988

Year	Total	<5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total													
1970	17,440	960	92	94	249	272	438	719	1,412	2,519	3,448	4,558	2,678
1971	17,891	875	92	111	262	293	445	701	1,534	2,467	3,617	4,613	2,881
1972	17,855	794	80	98	296	322	476	662	1,511	2,551	3,607	4,535	2,923
1973	18,636	760	85	94	260	378	557	711	1,500	2,571	3,737	4,877	3,105
1974	17,861	723	74	89	271	360	518	676	1,475	2,536	3,614	4,475	3,050
1975	17,401	660	71	83	242	352	581	615	1,440	2,472	3,661	4,237	2,987
1976	17,966	648	70	89	256	350	594	650	1,389	2,486	3,686	4,517	3,228
1977	17,875	621	67	79	269	334	620	647	1,334	2,511	3,699	4,434	3,258
1978	18,325	600	68	90	282	393	619	674	1,313	2,525	3,794	4,489	3,475
1979	18,408	616	51	77	255	399	658	684	1,249	2,519	3,744	4,580	3,575
1980	18,927	595	55	60	247	362	680	662	1,285	2,598	3,957	4,622	3,804
1981	19,360	616	50	79	237	409	762	688	1,291	2,627	3,987	4,702	3,912
1982	19,638	617	42	64	221	364	757	703	1,251	2,622	4,118	4,822	4,057
1983	19,531	657	46	61	215	324	720	720	1,208	2,633	4,189	4,805	3,952
1984	20,356	661	45	65	233	328	672	779	1,161	2,614	4,224	5,085	4,489
1985	20,234	622	58	51	191	341	697	762	1,132	2,636	4,165	5,199	4,379
1986	20,768	576	54	57	242	331	743	844	1,136	2,677	4,362	5,287	4,459
1987	21,089	625	63	51	173	271	729	842	1,141	2,638	4,435	5,455	4,666
1988	21,312	575	47	57	197	251	746	836	1,142	2,529	4,446	5,658	4,828
Male													
1970	9,885	557	59	61	167	195	296	463	898	1,633	2,137	2,346	1,072
1971	10,005	512	57	76	173	202	322	446	994	1,617	2,131	2,303	1,172
1972	10,082	485	53	61	208	241	330	428	962	1,676	2,189	2,270	1,179
1973	10,422	435	55	63	198	292	398	437	948	1,654	2,292	2,447	1,203
1974	9,907	414	44	58	201	280	370	444	914	1,632	2,200	2,165	1,185
1975	9,788	374	40	47	167	263	415	414	925	1,575	2,248	2,140	1,180
1976	9,970	380	41	61	185	271	408	401	897	1,539	2,277	2,272	1,237
1977	9,833	348	37	43	187	238	431	427	821	1,609	2,265	2,236	1,190
1978	10,122	327	34	61	192	303	433	403	852	1,626	2,338	2,275	1,277
1979	10,203	330	30	51	179	308	491	468	782	1,620	2,302	2,289	1,352
1980	10,266	345	40	39	166	271	476	414	800	1,654	2,377	2,299	1,385
1981	10,444	343	28	42	152	309	563	429	767	1,635	2,419	2,385	1,372
1982	10,629	365	24	48	160	252	573	474	784	1,622	2,457	2,400	1,470
1983	10,519	395	27	38	157	241	521	456	736	1,616	2,493	2,413	1,426
1984	10,516	369	27	34	170	240	479	499	728	1,560	2,452	2,495	1,463
1985	10,609	355	27	34	138	253	515	493	694	1,660	2,439	2,538	1,462
1986	10,815	337	32	44	176	258	552	538	683	1,619	2,523	2,582	1,471
1987	11,016	369	36	39	117	218	508	542	709	1,652	2,524	2,730	1,572
1988	11,057	341	28	35	135	171	549	563	705	1,510	2,631	2,845	1,544
Female													
1970	7,555	403	33	33	82	77	142	256	514	886	1,311	2,212	1,606
1971	7,882	359	35	35	89	91	123	255	540	850	1,486	2,310	1,709
1972	7,770	306	27	37	88	81	146	234	549	875	1,418	2,265	1,744
1973	8,213	325	30	31	62	86	159	274	552	917	1,445	2,430	1,902
1974	7,954	309	30	31	70	80	148	232	561	904	1,414	2,310	1,865
1975	7,611	285	31	36	75	89	166	201	515	897	1,413	2,097	1,806
1976	7,996	268	29	28	71	79	186	249	492	947	1,409	2,245	1,991
1977	8,042	273	30	36	82	96	189	220	513	902	1,434	2,198	2,068
1978	8,202	272	34	29	90	90	186	271	461	899	1,456	2,214	2,198
1979	8,205	286	21	26	76	91	167	216	467	899	1,442	2,291	2,223
1980	8,660	249	15	21	81	91	204	248	485	944	1,580	2,323	2,419
1981	8,916	273	22	37	85	100	199	259	524	992	1,568	2,317	2,540
1982	9,009	252	18	16	61	112	184	229	467	1,000	1,661	2,422	2,587
1983	9,012	262	19	23	58	83	199	264	472	1,017	1,696	2,392	2,526
1984	9,840	292	18	31	63	88	193	280	433	1,054	1,772	2,590	3,026
1985	9,625	267	31	17	53	88	182	269	438	976	1,726	2,661	2,917
1986	9,953	239	22	13	66	73	191	306	453	1,058	1,839	2,705	2,988
1987	10,073	256	27	12	56	53	221	300	432	986	1,911	2,725	3,094
1988	10,255	234	19	22	62	80	197	273	437	1,019	1,815	2,813	3,284

Table 49. Death Rates by Age and Sex: Colorado Residents, 1970-1988

Year	Total	<5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total													
1970	782.6	510.9	41.0	40.0	113.1	130.6	147.4	280.0	598.2	1,449.7	3,065.4	7,507.3	17,356.9
1971	776.7	451.9	41.8	46.2	114.3	128.6	139.7	269.1	635.2	1,379.4	3,138.0	7,458.1	17,810.3
1972	742.5	397.7	36.6	39.8	122.6	135.2	133.1	246.2	604.2	1,374.0	3,055.8	7,202.1	17,283.6
1973	746.7	372.9	39.2	37.4	103.0	150.4	142.3	256.3	582.1	1,341.9	3,092.1	7,607.9	17,583.1
1974	702.8	356.8	35.0	35.5	105.4	138.6	124.3	240.3	568.9	1,306.5	2,908.9	6,816.2	16,325.9
1975	672.8	328.1	33.8	33.5	92.8	131.1	132.0	215.4	552.6	1,254.1	2,868.9	6,310.8	15,203.3
1976	682.5	331.0	33.0	37.0	97.0	126.9	127.4	222.4	530.5	1,229.3	2,774.7	6,637.6	16,043.7
1977	663.0	313.7	31.3	33.5	101.1	117.6	125.4	213.2	506.1	1,204.4	2,686.5	6,364.9	15,248.5
1978	662.3	295.2	31.7	39.0	105.2	134.3	119.2	209.9	493.0	1,173.4	2,672.8	6,301.6	15,419.8
1979	646.1	290.8	23.7	33.7	94.2	133.1	119.6	202.3	462.5	1,126.6	2,572.9	6,290.3	15,097.1
1980	650.8	273.1	25.6	26.4	91.4	118.9	118.6	189.5	471.4	1,131.1	2,647.0	6,188.2	15,531.6
1981	648.8	268.5	23.0	34.8	88.3	132.8	127.8	185.2	468.7	1,117.7	2,592.8	6,129.3	15,530.6
1982	639.3	254.0	18.9	28.1	82.5	116.4	122.2	177.2	448.0	1,093.0	2,604.1	6,093.6	15,723.0
1983	620.4	257.9	20.2	26.8	81.0	103.7	112.9	170.2	425.6	1,077.8	2,571.8	5,865.6	14,900.3
1984	638.2	253.8	19.5	28.7	89.2	107.2	104.6	173.9	402.2	1,056.4	2,542.6	6,051.0	16,551.1
1985	626.0	234.5	24.6	22.5	74.1	113.8	108.2	161.2	384.0	1,054.5	2,436.4	5,988.6	15,610.9
1986	636.0	215.2	22.6	25.1	94.7	112.5	116.8	170.2	375.4	1,062.0	2,472.7	5,886.5	15,264.3
1987	640.4	231.7	26.0	22.4	68.6	95.4	116.5	162.4	365.0	1,038.1	2,431.8	5,857.8	15,243.9
1988	645.5	213.9	19.2	25.1	79.6	92.5	122.4	155.2	352.6	989.7	2,386.0	5,917.7	15,160.5
Male													
1970	898.4	581.3	51.6	50.9	149.4	184.0	201.7	365.2	774.1	1,957.5	4,292.2	9,660.3	19,105.3
1971	877.5	518.0	50.9	62.1	148.2	172.7	203.0	345.3	838.2	1,885.2	4,172.1	9,459.8	20,432.4
1972	845.2	475.5	47.6	48.7	168.8	195.1	184.3	319.9	783.6	1,883.7	4,179.9	9,301.0	20,122.9
1973	840.7	417.6	49.8	49.4	153.4	223.4	202.2	315.7	749.5	1,802.3	4,270.2	10,000.8	20,093.5
1974	784.7	399.4	40.8	45.6	152.8	207.4	176.1	315.7	717.9	1,756.0	3,990.1	8,717.9	19,097.5
1975	761.7	363.2	37.4	37.3	125.1	188.7	186.5	289.6	722.6	1,668.5	3,973.5	8,502.2	18,506.9
1976	761.7	379.1	37.8	49.9	136.8	188.9	172.5	273.6	696.5	1,589.7	3,890.7	8,859.4	19,133.8
1977	733.8	343.2	33.9	35.9	137.0	162.2	171.7	280.6	632.5	1,613.0	3,726.7	8,539.9	17,653.2
1978	736.1	314.0	31.0	52.0	139.7	200.8	164.0	250.1	648.5	1,579.2	3,740.3	8,521.9	18,232.4
1979	721.0	304.0	27.3	43.9	129.0	200.5	175.5	276.0	586.3	1,514.6	3,590.9	8,413.9	18,710.2
1980	711.2	309.0	36.5	33.6	119.9	174.5	163.3	236.5	593.5	1,505.5	3,606.1	8,258.5	18,820.5
1981	704.7	291.6	25.2	36.3	110.5	196.3	185.5	230.0	562.8	1,458.4	3,560.2	8,289.6	18,590.8
1982	696.0	293.0	21.1	41.3	116.5	157.4	181.3	237.6	567.2	1,421.2	3,508.2	8,054.8	19,784.7
1983	671.6	302.3	23.2	32.7	115.2	150.4	160.0	214.0	523.8	1,393.6	3,447.2	7,801.7	18,845.0
1984	662.7	276.2	22.8	29.3	126.8	152.9	146.0	221.1	509.0	1,329.0	3,317.0	7,850.4	18,970.4
1985	659.6	261.0	22.4	29.3	104.1	164.5	156.6	206.7	474.5	1,399.9	3,199.7	7,718.3	18,346.1
1986	665.7	245.6	26.2	37.8	133.7	170.9	169.9	215.2	454.5	1,351.7	3,201.6	7,574.7	17,693.0
1987	672.7	266.7	29.0	33.4	90.0	149.5	159.3	207.2	456.3	1,366.3	3,093.9	7,705.6	18,004.8
1988	673.6	247.3	22.3	30.0	105.6	122.7	176.9	207.1	437.4	1,240.0	3,154.6	7,801.6	18,985.7
Female													
1970	669.7	437.7	30.0	28.6	75.7	75.2	94.3	197.0	428.2	980.8	2,091.1	6,072.1	16,357.7
1971	677.5	378.7	32.4	29.7	79.2	82.1	76.9	194.2	439.3	913.3	2,315.1	6,158.9	16,369.7
1972	641.2	313.3	25.1	30.5	74.5	70.6	81.8	173.2	431.2	905.0	2,159.3	5,873.7	15,778.5
1973	653.8	326.1	28.2	25.1	50.3	71.3	81.7	197.1	420.7	918.6	2,150.8	6,130.8	16,295.4
1974	621.9	312.2	28.9	25.2	55.8	64.1	71.7	164.9	425.1	893.5	2,046.3	5,659.3	14,947.5
1975	584.9	290.3	30.1	29.5	58.9	68.9	76.3	141.0	388.4	873.3	1,989.1	4,996.5	13,608.6
1976	604.2	280.4	27.9	23.6	55.2	59.7	80.9	170.9	369.8	898.3	1,895.9	5,293.9	14,580.7
1977	593.0	282.7	28.7	31.1	63.2	70.0	77.6	145.4	383.5	829.6	1,864.4	5,055.2	14,140.2
1978	589.3	274.4	32.4	25.6	68.9	63.5	72.8	169.4	341.6	801.0	1,832.8	4,970.8	14,151.4
1979	572.1	276.9	20.0	23.2	57.7	62.2	61.7	128.1	341.7	770.8	1,771.2	5,023.6	13,510.4
1980	591.2	234.4	14.3	18.8	61.5	61.0	72.4	142.4	352.0	787.9	1,890.7	4,958.7	14,122.2
1981	593.7	244.1	20.7	33.3	65.0	66.4	68.0	140.0	376.6	807.1	1,827.1	4,833.2	14,265.7
1982	583.3	212.9	16.6	14.4	46.8	73.4	60.6	116.1	331.2	795.2	1,885.5	4,909.6	14,082.0
1983	569.6	211.1	17.1	20.7	44.9	54.5	63.8	125.7	329.3	792.5	1,872.9	4,691.8	13,328.4
1984	614.0	230.1	15.9	28.0	49.6	59.1	61.4	126.1	297.4	810.4	1,921.8	4,957.1	15,593.1
1985	592.7	206.6	27.0	15.4	42.3	60.3	57.8	114.8	294.8	742.9	1,822.2	4,934.4	14,528.3
1986	606.6	183.3	18.9	11.8	53.2	51.0	61.3	124.5	297.4	799.7	1,884.2	4,854.3	14,299.4
1987	608.4	194.8	22.8	10.9	45.8	38.3	72.1	116.8	274.8	740.2	1,896.0	4,723.4	14,142.1
1988	617.8	178.7	15.9	19.9	51.8	60.6	65.9	102.3	268.6	761.9	1,763.4	4,756.5	14,433.3

Rates are per 100,000 population in each age-and-sex group.

Deaths by Race

Anglo (non-Spanish surname) whites accounted for 18,850 Colorado resident deaths in 1988, 88.4 percent of the total. Deaths to Spanish surname whites totaled 1,562, 7.3 percent of total, and deaths to blacks totaled 710, 3.3 percent of all deaths. A total of 129 Colorado Asians and 57 native Americans died in 1988.

Estimates of Hispanic mortality by surname do not allow for women assuming their husbands' surnames or the complexities of ethnic self-determination. However, the alternative of using the ethnic origin entry of the death certificate as the source of data is hampered by a growing number of entries of "American" in this field. In 1988, a total of 1,368 decedents were identified as of Spanish origin, which is 12.4 percent lower than the count for Spanish surname whites.

A possible solution for the challenge of compiling mortality data for Hispanics may be found in new death certificate forms that went into effect January 1, 1989. These new forms ask specifically if the decedent was Hispanic. With Hispanics representing the largest minority in Colorado, improvements in the quality of these data are important.

Table 50 shows Colorado resident deaths by race, Spanish origin, age group and sex for 1988.

Table 50. Deaths by Race, Spanish Origin, Age and Sex: Colorado Residents, 1988

Race and Spanish Origin	Sex	Total	Age at Death																		
			<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
Total	T	21,312	506	69	47	57	197	251	341	405	402	434	485	657	1,027	1,502	2,003	2,443	2,799	2,859	4,828
	M	11,057	302	39	28	35	135	171	245	304	279	284	293	412	620	890	1,219	1,412	1,504	1,341	1,544
	F	10,255	204	30	19	22	62	80	96	101	123	150	192	245	407	612	784	1,031	1,295	1,518	3,284
Total White	T	20,412	463	63	40	54	183	233	309	371	366	394	444	612	960	1,415	1,914	2,368	2,719	2,781	4,723
	M	10,582	281	37	25	34	127	159	219	279	260	263	264	386	577	848	1,168	1,374	1,465	1,309	1,507
	F	9,830	182	26	15	20	56	74	90	92	106	131	180	226	383	567	746	994	1,254	1,472	3,216
Anglo White	T	18,850	380	51	37	43	161	194	249	332	327	343	377	540	886	1,291	1,777	2,231	2,548	2,612	4,471
	M	9,633	235	31	23	28	110	133	170	251	237	229	220	335	528	769	1,083	1,298	1,370	1,214	1,369
	F	9,217	145	20	14	15	51	61	79	81	90	114	157	205	358	522	694	933	1,178	1,398	3,102
Spanish Surname White	T	1,562	83	12	3	11	22	39	60	39	39	51	67	72	74	124	137	137	171	169	252
	M	949	46	6	2	6	17	26	49	28	23	34	44	51	49	79	85	76	95	95	138
	F	613	37	6	1	5	5	13	11	11	16	17	23	21	25	45	52	61	76	74	114
Total Non-White	T	896	43	6	7	3	14	18	32	34	35	39	41	45	67	87	89	75	79	78	104
	M	473	21	2	3	1	8	12	26	25	19	20	29	26	43	42	51	38	38	32	37
	F	423	22	4	4	2	6	6	6	9	16	19	12	19	24	45	38	37	41	46	67
Black	T	710	37	3	5	2	12	15	26	22	27	29	35	36	57	75	70	58	57	67	77
	M	382	19	1	2	0	8	10	22	18	16	16	25	23	38	40	40	30	26	26	22
	F	328	18	2	3	2	4	5	4	4	11	13	10	13	19	35	30	28	31	41	55
Native American	T	57	2	0	1	0	2	2	3	4	5	4	3	2	3	3	4	7	3	3	6
	M	32	1	0	1	0	0	2	1	3	3	3	1	2	2	0	4	2	1	2	4
	F	25	1	0	0	0	2	0	2	1	2	1	2	0	1	3	0	5	2	1	2
Asian	T	129	4	3	1	1	0	1	3	8	3	6	3	7	7	9	15	10	19	8	21
	M	59	1	1	0	1	0	0	3	4	0	1	3	1	3	2	7	6	11	4	11
	F	70	3	2	1	0	0	1	0	4	3	5	0	6	4	7	8	4	8	4	10
Unknown/ Not Stated	T	4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1
	M	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
	F	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Non-Spanish Origin	T	19,944	436	58	47	50	176	208	281	368	366	384	421	583	956	1,393	1,893	2,332	2,647	2,720	4,625
	M	10,243	260	33	28	32	117	143	199	281	257	251	253	357	576	822	1,153	1,356	1,422	1,269	1,434
	F	9,701	176	25	19	18	59	65	82	87	109	133	168	226	380	571	740	976	1,225	1,451	3,191
Spanish Origin	T	1,368	70	11	0	7	21	43	60	37	36	50	64	74	71	109	110	111	152	139	203
	M	814	42	6	0	3	18	28	46	23	22	33	40	55	44	68	66	56	82	72	110
	F	554	28	5	0	4	3	15	14	14	14	17	24	19	27	41	44	55	70	67	93

Spanish origin is independent of race. Definitions of race categories may be found in the technical notes for this report.

Leading Causes of Death

The ten leading causes of death in Colorado in 1988 were heart disease, malignant neoplasms, cerebrovascular diseases, chronic obstructive pulmonary diseases, accidents and adverse effects (unintentional injuries), pneumonia and influenza, suicide, diabetes mellitus, atherosclerosis and chronic liver disease and cirrhosis. This ranking is unchanged from 1987.

The rank order of leading causes of death in Colorado continues to differ from that of the United States as a whole in several ways. Table 51 compares Colorado and U.S. deaths and crude death rates for leading causes in 1987 and 1988. As the table shows, death rates were lower in Colorado than the nation for most causes. Notable exceptions included chronic obstructive pulmonary diseases (COPD) and suicide. Atherosclerosis and congenital anomalies were also somewhat higher in the state.

Figure 23 compares crude death rates by cause for Colorado and the United States in 1988. Figure 24 shows how the percent distribution of leading causes of death compared for Colorado and the nation in 1988.

Deaths by cause by month of occurrence appear in Table 52. Deaths from several chronic diseases as well as influenza and pneumonia occur more frequently in the winter months. In contrast, death from accidents occurs more frequently in warm-weather months. Care should be used in interpreting the information in this table, as no adjustment has been made for different lengths of months or other considerations.

Table 53 presents numbers of Colorado resident deaths and crude death rates for selected causes for years between 1940 and 1988. Steady decreases in death rates for accidents and heart disease since 1980 have been offset by increases among malignant neoplasms, COPD and pneumonia and influenza.

Figure 23. Crude Death Rates for Leading Causes: Colorado Residents and United States, 1988

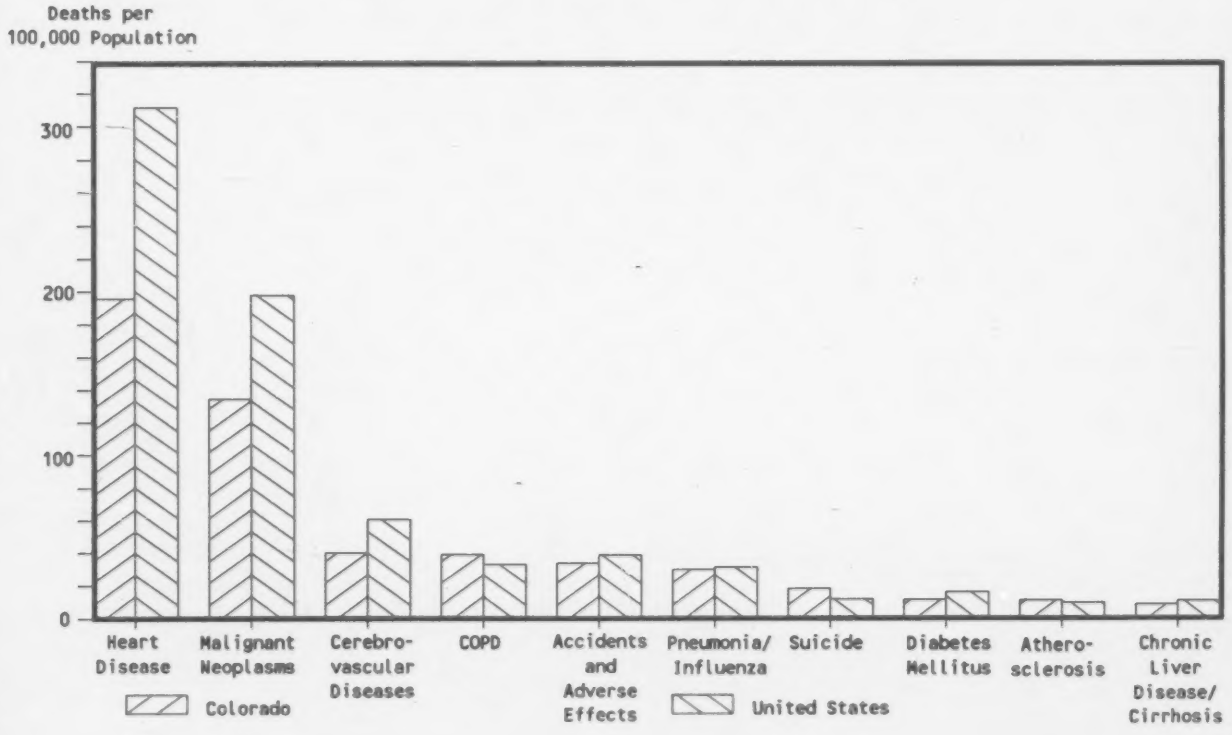


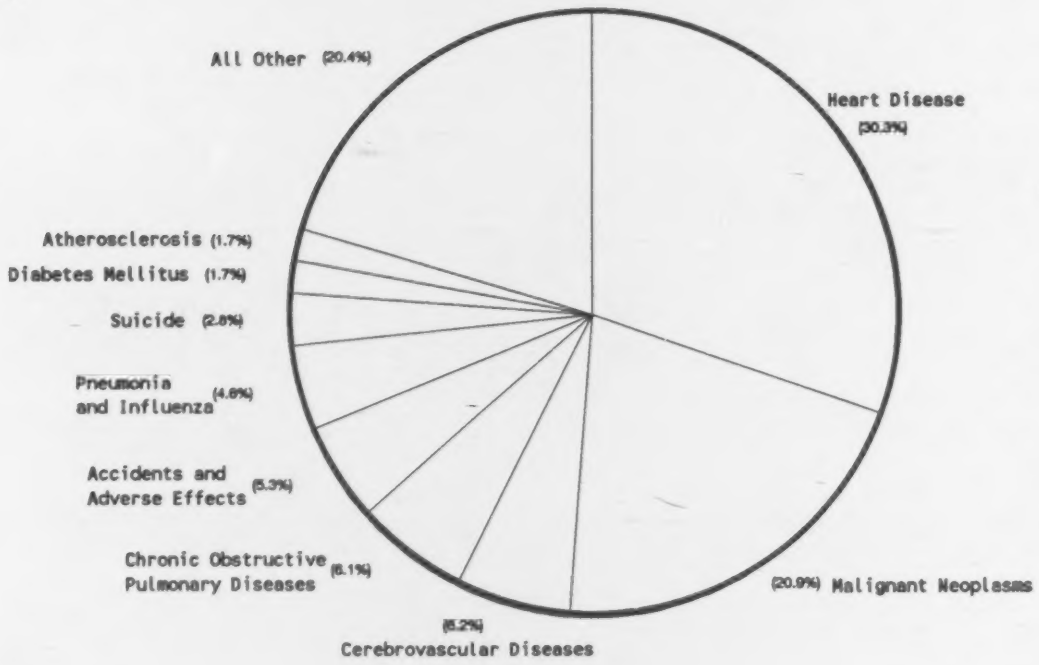
Table 51. Leading Causes of Death and Death Rates: Colorado Residents and United States, 1987 and 1988

Causes of Death/ICD9 Codes	Colorado				United States			
	Rank	Number	Rate	Percent of Total	Rank	Number	Rate	Percent of Total
1987								
All Causes of Death		21,089	640.4	100.0		2,127,000	874.0	100.0
Heart Disease (390-398,402,404-429)	1	6,366	193.3	30.2	1	762,820	313.4	35.9
Malignant Neoplasms (140-208)	2	4,392	133.4	20.8	2	477,190	196.1	22.4
Cerebrovascular Diseases (430-438)	3	1,339	40.7	6.3	3	149,220	61.3	7.0
Chronic Obstructive Pulmonary Diseases (490-496)	4	1,245	37.8	5.9	5	78,270	32.2	3.7
Accidents and Adverse Effects (E800-E949)	5	1,226	37.2	5.8	4	94,840	39.0	4.5
Motor Vehicle (E810-E825)		616	18.7	2.9		48,950	20.1	2.3
All Other (E800-E807,E826-E949)		610	18.5	2.9		45,890	18.9	2.2
Pneumonia and Influenza (480-487)	6	901	27.4	4.3	6	70,120	28.8	3.3
Suicide (E950-E959)	7	561	17.0	2.7	8	30,980	12.7	1.5
Diabetes Mellitus (250)	8	370	11.2	1.8	7	37,900	15.6	1.8
Atherosclerosis (440)	9	326	9.9	1.5	10	23,200	9.5	1.1
Chronic Liver Disease and Cirrhosis (571)	10	258	7.8	1.2	9	26,050	10.7	1.2
Certain Conditions of Perinatal Period (760-779)	12	200	6.1	0.9	14	18,460	7.6	0.9
Septicemia (038)	13	191	5.8	0.9	13	19,810	8.1	0.9
Homicide (E960-E978)	11	204	6.2	1.0	12	20,580	8.5	1.0
Congenital Anomalies (740-759)	14	185	5.6	0.9	16	12,130	5.0	0.6
Human Immunodeficiency Virus Infection (042-044)	16	133	4.0	0.6	15	13,130	5.4	0.6
Nephritis, Nephrosis, Nephrotic Syndr. (580-589)	15	142	4.3	0.7	11	23,040	9.5	1.1
1988								
All Causes of Death		21,312	645.5	100.0		2,171,000	883.0	100.0
Heart Disease (390-398,402,404-429)	1	6,466	195.9	30.3	1	767,400	312.2	35.3
Malignant Neoplasms (140-208)	2	4,446	134.7	20.9	2	488,240	198.6	22.5
Cerebrovascular Diseases (430-438)	3	1,324	40.1	6.2	3	150,300	61.1	6.9
Chronic Obstructive Pulmonary Diseases (490-496)	4	1,293	39.2	6.1	5	81,960	33.3	3.8
Accidents and Adverse Effects (E800-E949)	5	1,125	34.1	5.3	4	97,500	39.7	4.5
Motor Vehicle (E810-E825)		559	16.9	2.6		50,060	20.4	2.3
All Other (E800-E807,E826-E949)		566	17.1	2.7		47,440	19.3	2.2
Pneumonia and Influenza (480-487)	6	984	29.8	4.6	6	77,330	31.5	3.6
Suicide (E950-E959)	7	598	18.1	2.8	8	30,260	12.3	1.4
Diabetes Mellitus (250)	8	371	11.2	1.7	7	39,610	16.1	1.8
Atherosclerosis (440)	9	357	10.8	1.7	10	23,700	9.6	1.1
Chronic Liver Disease and Cirrhosis (571)	10	275	8.3	1.3	9	26,080	10.6	1.2
Certain Conditions of Perinatal Period (760-779)	11	198	6.0	0.9	14	18,510	7.5	0.9
Septicemia (038)	12	196	5.9	0.9	13	20,850	8.5	1.0
Homicide (E960-E978)	13	190	5.8	0.9	12	22,190	9.0	1.0
Congenital Anomalies (740-759)	14	184	5.6	0.9	16	12,770	5.2	0.6
Human Immunodeficiency Virus Infection (042-044)	15	168	5.1	0.8	15	16,210	6.6	0.7
Nephritis, Nephrosis, Nephrotic Syndr. (580-589)	16	145	4.4	0.7	11	21,890	8.9	1.0

Rates are deaths per 100,000 population. Chronic obstructive pulmonary diseases include asthma, chronic bronchitis, emphysema, and other obstructive lung conditions.
Human immunodeficiency virus infection = Acquired immunodeficiency syndrome (AIDS). This table includes HIV infection deaths among standard leading causes of death. U.S. data are from the National Center for Health Statistics and are subject to revision. This table presents crude death rates. Comparisons of Colorado and U.S. rates should take different age distributions in the populations into account.

Figure 24. Percent Distribution of Selected Causes of Death: Colorado Residents and United States, 1988

Colorado



United States

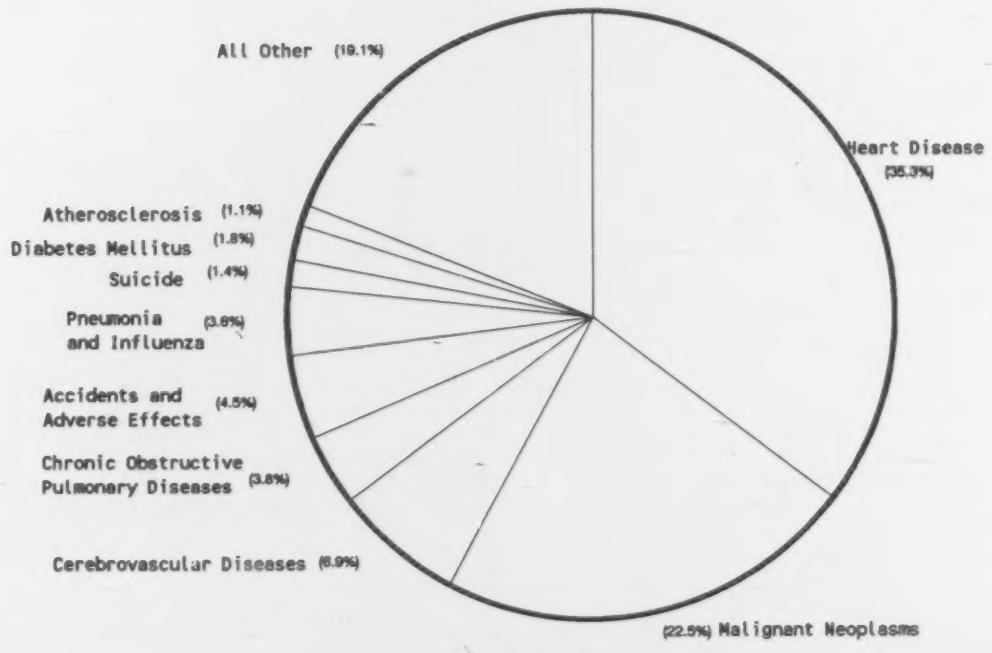


Table 52. Deaths from Selected Causes by Month of Occurrence: Colorado Residents, 1988

Cause of Death and ICD9 Codes	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Number of Deaths													
All Causes of Death	21,312	2,174	1,835	1,905	1,717	1,769	1,651	1,707	1,594	1,673	1,748	1,678	1,861
Heart Disease (390-398,402,404-429)	6,466	657	540	563	515	569	528	508	491	491	493	530	581
Malignant Neoplasms (140-208)	4,446	405	350	367	319	359	365	390	354	382	397	334	424
Cerebrovascular Diseases (430-438)	1,324	162	123	100	128	96	93	101	88	100	126	101	106
Chronic Obstructive Pulmonary Diseases (490-496)	1,293	115	132	123	115	129	108	95	72	98	95	96	115
Accidents and Adverse Effects (E800-E949)	1,125	92	78	96	94	106	104	120	107	91	76	89	72
Motor Vehicle	559	26	40	47	48	56	47	58	71	48	35	50	33
All Other	566	66	38	49	46	50	57	62	36	43	41	39	39
Pneumonia and Influenza (480-487)	984	157	120	108	86	70	54	69	55	61	63	61	80
Suicide (E950-E959)	598	57	38	58	62	49	55	45	42	43	56	49	44
Diabetes Mellitus (250)	371	35	36	42	32	29	30	22	25	29	28	33	30
Atherosclerosis (440)	357	49	31	25	24	26	25	26	32	28	27	29	35
Chronic Liver Disease and Cirrhosis (571)	275	29	21	23	14	20	27	29	22	22	21	29	18
Homicide (E960-E978)	190	26	14	18	19	11	8	12	15	21	14	20	12
Certain Conditions Originating in Perinatal Period (760-779)	198	12	19	12	15	13	11	21	16	22	23	18	16
Septicemia (038)	196	25	13	20	20	18	12	17	11	13	16	15	16
Congenital Anomalies (740-759)	184	25	10	20	14	16	13	18	13	19	13	7	16
Nephritis, Nephrosis, Nephrotic Syndrome (580-589)	145	17	11	16	14	9	9	12	15	8	7	11	16
Human Immunodeficiency Virus Infection (042-044)	168	10	15	14	15	13	18	12	9	10	15	15	22
All Other (Residual)	2,992	301	284	300	231	236	191	210	227	235	278	241	258
Percent Distribution of Deaths by Month													
All Causes of Death	100.0	10.2	8.6	8.9	8.1	8.3	7.7	8.0	7.5	7.9	8.2	7.9	8.7
Heart Disease (390-398,402,404-429)	100.0	10.2	8.4	8.7	8.0	8.8	8.2	7.9	7.6	7.6	7.6	8.2	9.0
Malignant Neoplasms (140-208)	100.0	9.1	7.9	8.3	7.2	8.1	8.2	8.8	8.0	8.6	8.9	7.5	9.5
Cerebrovascular Diseases (430-438)	100.0	12.2	9.3	7.6	9.7	7.3	7.0	7.6	6.6	7.6	9.5	7.6	8.0
Chronic Obstructive Pulmonary Diseases (490-496)	100.0	8.9	10.2	9.5	8.9	10.0	8.4	7.3	5.6	7.6	7.3	7.4	8.9
Accidents and Adverse Effects (E800-E949)	100.0	8.2	6.9	8.5	8.4	9.4	9.2	10.7	9.5	8.1	6.8	7.9	6.4
Motor Vehicle Accidents	100.0	4.7	7.2	8.4	8.6	10.0	8.4	10.4	12.7	8.6	6.3	8.9	5.9
All Other Accidents	100.0	11.7	6.7	8.7	8.1	8.8	10.1	11.0	6.4	7.6	7.2	6.9	6.9
Pneumonia and Influenza (480-487)	100.0	16.0	12.2	11.0	8.7	7.1	5.5	7.0	5.6	6.2	6.4	6.2	8.1
Suicide (E950-E959)	100.0	9.5	6.4	9.7	10.4	8.2	9.2	7.5	7.0	7.2	9.4	8.2	7.4
Diabetes Mellitus (250)	100.0	9.4	9.7	11.3	8.6	7.8	8.1	5.9	6.7	7.8	7.5	8.9	8.1
Atherosclerosis (440)	100.0	13.7	8.7	7.0	6.7	7.3	7.0	7.3	9.0	7.8	7.6	8.1	9.8
Chronic Liver Disease and Cirrhosis (571)	100.0	10.5	7.6	8.4	5.1	7.3	9.8	10.5	8.0	8.0	7.6	10.5	6.5
Homicide (E960-E978)	100.0	13.7	7.4	9.5	10.0	5.8	4.2	6.3	7.9	11.1	7.4	10.5	6.3
Certain Conditions Originating in Perinatal Period (760-779)	100.0	6.1	9.6	6.1	7.6	6.6	5.6	10.6	8.1	11.1	11.6	9.1	8.1
Septicemia (038)	100.0	12.8	6.6	10.2	10.2	9.2	6.1	8.7	5.6	6.6	8.2	7.7	8.2
Congenital Anomalies (740-759)	100.0	13.6	5.4	10.9	7.6	8.7	7.1	9.8	7.1	10.3	7.1	3.8	8.7
Nephritis, Nephrosis, Nephrotic Syndrome (580-589)	100.0	11.7	7.6	11.0	9.7	6.2	6.2	8.3	10.3	5.5	4.8	7.6	11.0
Human Immunodeficiency Virus Infection (042-044)	100.0	6.0	8.9	8.3	8.9	7.7	10.7	7.1	5.4	6.0	8.9	8.9	13.1
All Other (Residual)	100.0	10.1	9.5	10.0	7.7	7.9	6.4	7.0	7.6	7.9	9.3	8.1	8.6

Table 53. Deaths and Deaths Rates for Selected Causes: Colorado Residents, Selected Years, 1940-1988

Cause of Death	1940	1950	1960	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
All Deaths	12,181	12,222	15,351	17,439	18,927	19,360	19,638	19,531	20,356	20,234	20,768	21,089	21,312
Heart Disease	2,933	4,186	5,278	6,059	6,411	6,592	6,618	6,426	6,603	6,416	6,443	6,366	6,466
Malignant Neoplasms	1,304	1,700	2,209	2,683	3,633	3,721	3,853	3,920	4,181	4,031	4,348	4,392	4,446
Cerebrovascular Diseases	977	1,156	1,601	1,769	1,386	1,380	1,331	1,250	1,275	1,297	1,307	1,339	1,324
Chronic Obstructive Pulmonary Diseases	-	-	-	492	854	914	926	962	1,088	1,128	1,141	1,245	1,293
Emphysema	4	12	193	372	178	183	194	196	182	192	206	202	236
Accidents and Adverse Effects	1,017	936	1,077	1,280	1,383	1,414	1,346	1,284	1,257	1,276	1,248	1,226	1,125
Pneumonia and Influenza	1,005	638	860	727	651	671	703	743	786	867	862	901	984
Suicide	220	201	230	402	468	537	506	577	528	580	572	561	598
Atherosclerosis	261	254	398	373	334	354	351	317	317	352	349	326	357
Diabetes Mellitus	201	145	184	279	276	278	296	306	301	335	347	370	371
Chronic Liver Disease and Cirrhosis	78	111	170	313	284	268	294	291	302	280	308	258	275
Other Circulatory Conditions	64	91	219	298	214	210	245	207	221	232	248	291	272
Homicide	52	44	69	147	197	242	201	189	192	190	237	204	190
Certain Conditions Originating in Perinatal Period	577	682	802	461	229	225	212	234	212	198	188	200	198
Nephritis, Nephrosis, Nephrotic Syndrome	788	190	112	67	129	163	181	167	197	193	170	142	145
Congenital Anomalies	127	176	227	215	170	180	176	169	184	168	147	185	184
Tuberculosis	457	208	76	34	13	8	11	7	5	12	12	16	13
All Other Causes	2,116	1,492	1,646	1,840	2,295	2,203	2,388	2,482	2,707	2,679	2,841	3,067	3,071
Rate													
All Deaths	1084.4	922.4	875.2	782.6	650.8	648.8	639.3	620.4	638.2	626.0	636.0	640.4	645.5
Heart Disease	261.1	315.9	300.9	271.9	220.4	220.9	215.5	204.1	207.0	198.5	197.3	193.3	195.9
Malignant Neoplasms	116.1	128.3	125.9	120.4	124.9	124.7	125.4	124.5	131.1	124.7	133.2	133.4	134.7
Cerebrovascular Diseases	87.0	87.2	91.3	79.4	47.7	46.2	43.3	39.7	40.0	40.1	40.0	40.7	40.1
Chronic Obstructive Pulmonary Diseases	-	-	-	22.1	29.4	30.6	30.1	30.6	34.1	34.9	34.9	37.8	39.2
Emphysema	0.4	0.9	11.0	16.7	6.1	6.1	6.3	6.2	5.7	5.9	6.3	6.1	7.1
Accidents and Adverse Effects	90.5	70.6	61.4	57.4	47.6	47.4	43.8	40.8	39.4	39.5	38.2	37.2	34.1
Pneumonia and Influenza	89.5	48.1	49.0	32.6	22.4	22.5	22.9	23.6	24.6	26.8	26.4	27.4	29.8
Suicide	19.6	15.2	13.1	18.0	16.1	18.0	16.5	18.3	16.6	17.9	17.5	17.0	18.1
Atherosclerosis	23.2	19.2	22.7	16.7	11.5	11.9	11.4	10.1	9.9	10.9	10.7	9.9	10.8
Diabetes Mellitus	17.9	10.9	10.5	12.5	9.5	9.3	9.6	9.7	9.4	10.4	10.6	11.2	11.2
Chronic Liver Disease and Cirrhosis	6.9	8.4	9.7	14.0	9.8	9.0	9.6	9.2	9.5	8.7	9.4	7.8	8.3
Other Circulatory Conditions	5.7	6.9	12.5	13.4	7.4	7.0	8.0	6.6	6.9	7.2	7.6	8.8	8.2
Homicide	4.6	3.3	3.9	6.6	6.8	8.1	6.5	6.0	6.0	5.9	7.3	6.2	5.8
Certain Conditions Originating in Perinatal Period	51.4	51.5	45.7	20.7	7.9	7.5	6.9	7.4	6.6	6.1	5.8	6.1	6.0
Nephritis, Nephrosis, Nephroti Syndrome	70.2	14.3	6.4	3.0	4.4	5.5	5.9	5.3	6.2	6.0	5.2	4.3	4.4
Congenital Anomalies	11.3	13.3	12.9	9.6	5.8	6.0	5.7	5.4	5.8	5.2	4.5	5.6	5.6
Tuberculosis	40.7	15.7	4.3	1.5	0.4	0.3	0.4	0.2	0.2	0.4	0.4	0.5	0.4

Age-Adjusted Death Rates

Colorado's death rates for most leading causes are lower than national rates even when the state's younger population is taken into account. The state's age-adjusted death rate decreased to 457.5 deaths per 100,000 population in 1988, down from 467.2 in 1987. The U.S. age-adjusted death rate was higher at 536.3 in 1988.

Age-adjusted death rates account for differences in age distribution in populations, presenting a better measure than crude rates of how mortality compares in different places. Table 54 compares Colorado and U.S. age-adjusted death rates for selected causes between 1983 and 1988. Figure 25 plots Colorado and U.S. age-adjusted death rates by cause in 1988.

Age adjusted death rates for total deaths have decreased over time in both Colorado and the nation. Higher age-adjusted death rates in Colorado for COPD, suicide, pneumonia and influenza, and atherosclerosis and lower rates for heart disease, malignant neoplasms, cerebrovascular diseases and accidents therefore are not solely the result of the state's relatively younger population.

Figure 25. Age-Adjusted Death Rates for Leading Causes: Colorado Residents and United States, 1988

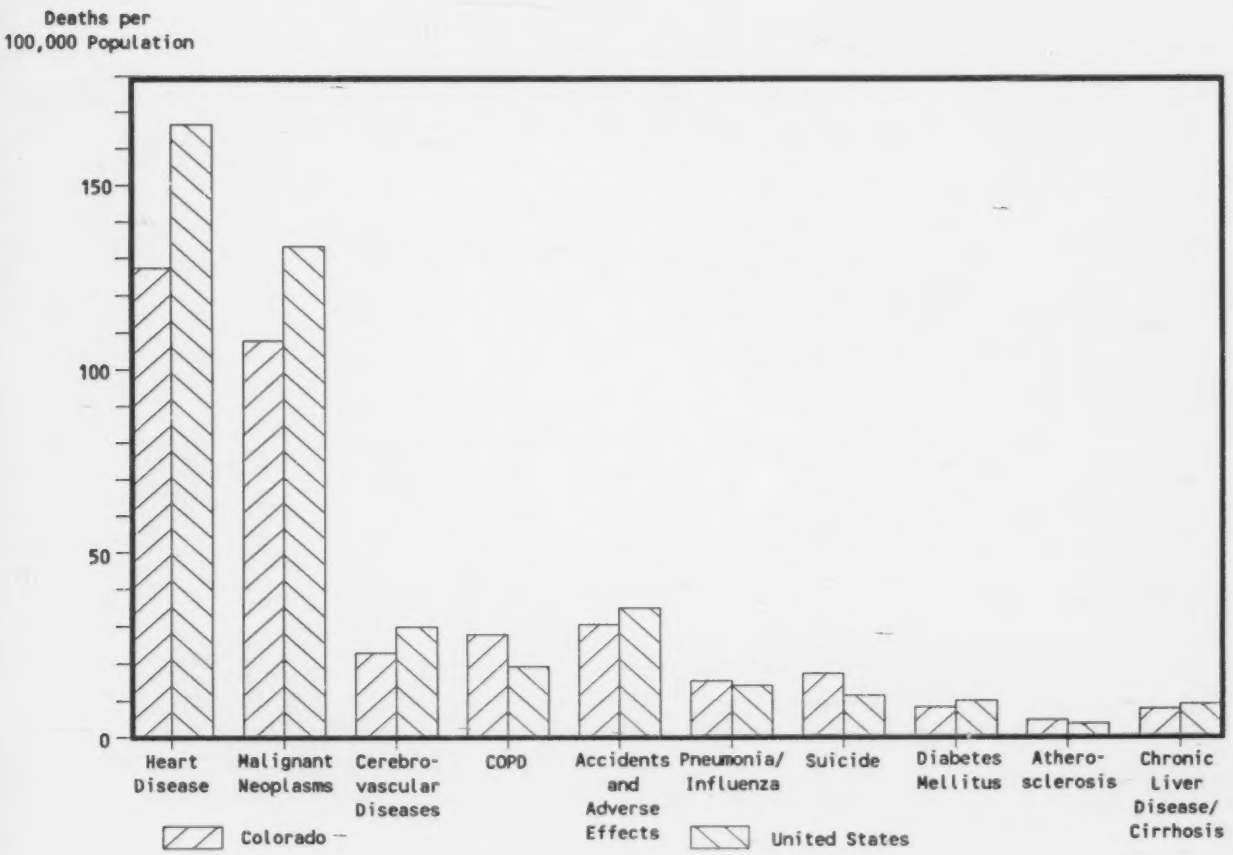


Table 54. Age-Adjusted Death Rates for Selected Causes of Death: Colorado Residents and United States, 1983-88

Causes of Death and ICD Codes	Colorado						United States					
	1983	1984	1985	1986	1987	1988	1983	1984	1985	1986	1987	1988
All Causes of Death	486.0	487.2	472.9	474.8	467.2	457.5	550.5	545.9	545.9	541.7	536.2	536.3
Heart Disease	148.7	145.5	139.4	135.6	130.5	127.3	188.8	183.6	181.7	175.0	169.9	166.7
Malignant Neoplasms	108.6	111.4	106.1	111.9	109.0	107.8	132.6	133.5	132.5	133.2	133.1	133.3
Cerebrovascular Diseases	25.5	25.5	24.2	24.8	24.3	23.0	34.4	33.4	32.3	31.0	30.1	29.8
Chronic Obstructive Pulmonary Diseases	24.5	26.6	27.2	26.9	27.9	27.8	17.4	17.7	18.6	18.8	18.7	19.2
Accidents and Adverse Effects	37.2	36.2	35.4	34.5	32.7	30.5	35.3	35.0	34.3	35.2	34.6	35.1
Motor Vehicle	22.9	19.5	18.5	18.6	17.8	16.8	18.5	19.1	18.3	19.4	19.7	20.1
All Other	16.4	16.4	16.9	16.0	14.8	13.6	16.8	15.9	16.0	15.7	14.9	15.0
Pneumonia and Influenza	14.4	14.7	15.5	15.5	15.0	15.5	11.8	12.2	13.2	13.5	13.2	14.2
Suicide	17.9	16.1	17.0	16.6	16.3	17.3	11.4	11.6	11.2	11.9	11.7	11.3
Diabetes Mellitus	7.9	7.3	7.5	8.1	8.5	8.3	9.9	9.5	10.1	9.6	9.6	9.9
Atherosclerosis	5.2	4.9	5.6	5.0	4.7	4.8	4.6	4.2	4.0	3.7	3.7	3.7
Chronic Liver Disease and Cirrhosis	9.2	9.2	8.7	9.0	7.3	7.7	10.2	10.0	9.6	9.2	9.0	9.0
Homicide	5.7	5.9	5.7	6.9	5.9	5.6	8.6	8.4	8.1	9.0	8.4	9.0
Septicemia	3.6	3.6	3.6	3.9	4.1	3.9	3.4	3.7	4.1	4.3	4.4	4.5
Nephritis, Nephrosis, Nephrotic Syndrome	3.6	4.6	4.1	3.4	2.7	2.8	4.6	4.7	5.2	4.9	5.0	4.6

Rates are per 100,000 population. See technical notes for explanation of age adjustment.
U.S. data are from the National Center for Health Statistics.

Seventy-Two Selected Causes of Death

Tables 55 through 62 present cause-of-death statistics for 72 selected causes. These tables use standard groupings of International Classification of Disease codes and provide detailed information about deaths and death rates by age and sex.

Table 55 shows deaths, death rates and percent of deaths by cause for Colorado residents in 1987 and 1988. Table 56 shows comparable information for the United States. Total Colorado deaths by age group and age-specific death rates by cause appear in Tables 57 and 58. Male deaths and rates by cause appear in Tables 59 and 60, and female deaths and rates appear in Tables 61 and 62.

Figure 26 shows percent of deaths from selected leading causes of death by age group for Colorado residents in 1988. The greater impact of external causes of death among the young and chronic diseases among older populations is apparent.

Figure 26. Percent Distribution of Selected Causes of Death by Age Group: Colorado Residents, 1988

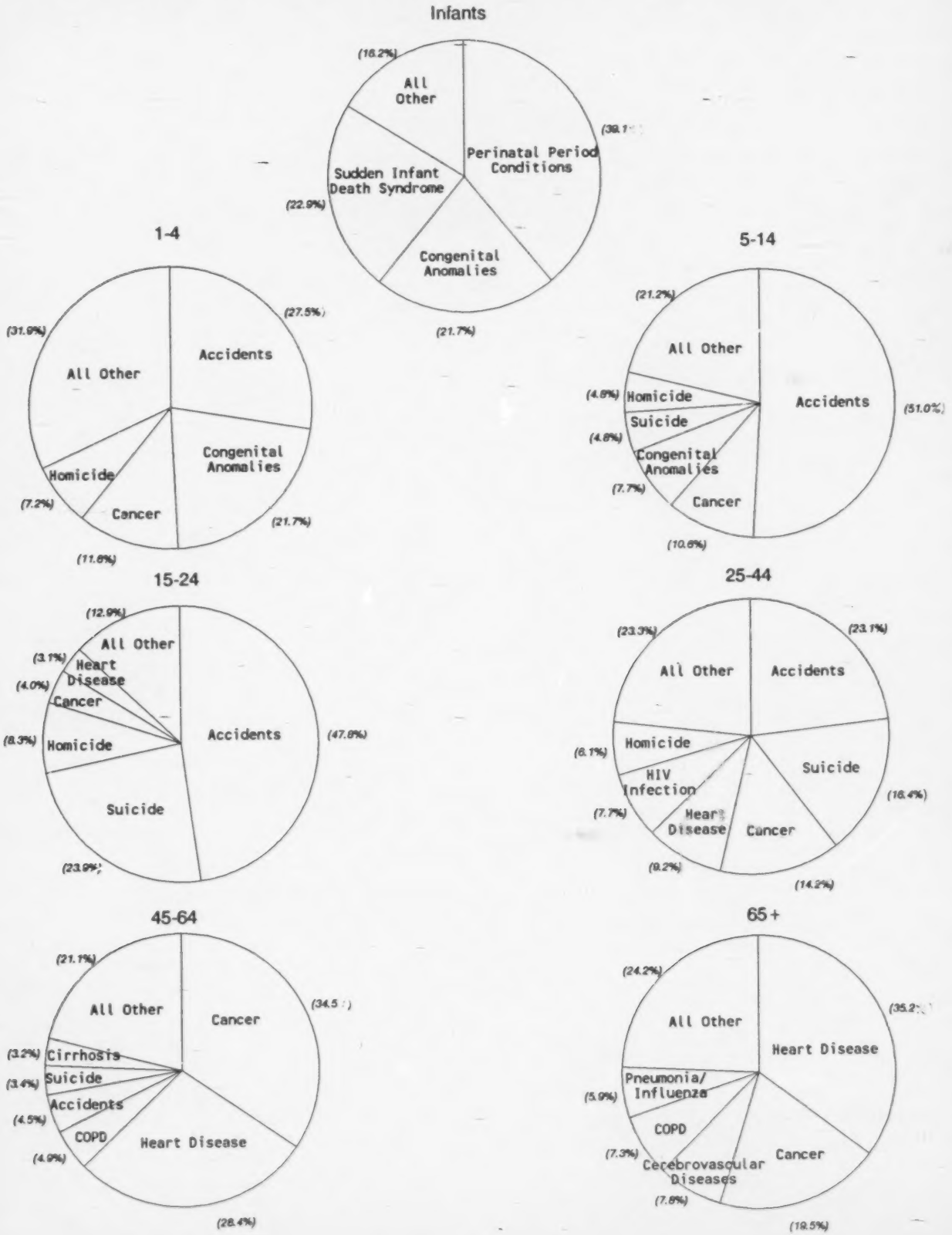


Table 55. Deaths, Death Rates and Percentage of Deaths for 72 Selected Causes: Colorado Residents, 1987-88

Cause of Death/ICD9 Code		1987 Number	1987 Rate	1987 Percent	1988 Number	1988 Rate	1988 Percent
All Causes		21,089	640.4	100.0	21,312	645.5	100.0
Shigellosis and Amebiasis	004,006	0	0.0	0.0	0	0.0	0.0
Certain Other Intestinal Infections	007-009	3	0.1	0.0	5	0.2	0.0
Tuberculosis	010-018	16	0.5	0.1	13	0.4	0.1
Of Respiratory System	010-012	13	0.4	0.1	9	0.3	0.0
Other Tuberculosis	013-018	3	0.1	0.0	4	0.1	0.0
Whooping Cough	033	0	0.0	0.0	0	0.0	0.0
Strep Sore Throat, Scarlatina, Erysipelas	034-035	3	0.1	0.0	1	0.0	0.0
Meningococcal Infection	036	3	0.1	0.0	2	0.1	0.0
Septicemia	038	191	5.8	0.9	196	5.9	0.9
Human Immunodeficiency Virus Infection	042-044	133	4.0	0.6	168	5.1	0.8
Acute Poliomyelitis	045	0	0.0	0.0	0	0.0	0.0
Measles	055	0	0.0	0.0	0	0.0	0.0
Viral Hepatitis	070	19	0.6	0.1	20	0.6	0.1
Syphilis	090-097	1	0.0	0.0	2	0.1	0.0
All Other Infectious, Parasitic Diseases	(001-139)	74	2.2	0.4	69	2.1	0.3
Malignant Neoplasms, All Sites	140-208	4,392	133.4	20.8	4,446	134.7	20.9
Of Lip, Oral Cavity, and Pharynx	140-149	70	2.1	0.3	68	2.1	0.3
Of Digestive Organs and Peritoneum	150-159	1,144	34.7	5.4	1,126	34.1	5.3
Of Respiratory and Intrathoracic Organs	160-165	1,094	33.2	5.2	1,070	32.4	5.0
Of Breast	174-175	375	11.4	1.8	450	13.6	2.1
Of Genital Organs	179-187	521	15.8	2.5	552	16.7	2.6
Of Urinary Organs	188-189	194	5.9	0.9	199	6.0	0.9
Other and Unspecified Sites	170-173,190-199	535	16.2	2.5	534	16.2	2.5
Leukemia	204-208	176	5.3	0.8	176	5.3	0.8
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	200-203	283	8.6	1.3	271	8.2	1.3
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	210-239	45	1.4	0.2	42	1.3	0.2
Diabetes Mellitus	250	370	11.2	1.8	371	11.2	1.7
Nutritional Deficiencies	260-269	47	1.4	0.2	50	1.5	0.2
Anemias	280-285	43	1.3	0.2	43	1.3	0.2
Meningitis	320-322	11	0.3	0.1	16	0.5	0.1
Major Cardiovascular Diseases	390-448	8,413	255.5	39.9	8,517	258.0	40.0
Diseases of Heart	390-398,402,404-429	6,366	193.3	30.2	6,466	195.9	30.3
Rheumatic Fever and Rheumatic Heart Disease	390-398	85	2.6	0.4	127	3.8	0.6
Hypertensive Heart Disease	402	102	3.1	0.5	135	4.1	0.6
Hypertensive Heart and Renal Disease	404	20	0.6	0.1	27	0.8	0.1
Ischemic Heart Disease	410-414	4,458	135.4	21.1	4,679	141.7	22.0
Acute Myocardial Infarction	410	2,217	67.3	10.5	2,166	65.6	10.2
Other Acute and Subacute Forms of Ischemic Heart Disease	411	19	0.6	0.1	30	0.9	0.1
Angina Pectoris	413	8	0.2	0.0	7	0.2	0.0
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	412,414	2,214	67.2	10.5	2,476	75.0	11.6
Other Diseases of Endocardium	424	116	3.5	0.6	128	3.9	0.6
All Other Heart Disease	415-423,425-429	1,585	48.1	7.5	1,370	41.5	6.4
Hypertension with or without Renal Disease	401,403	91	2.8	0.4	98	3.0	0.5
Cerebrovascular Diseases	430-438	1,339	40.7	6.3	1,324	40.1	6.2
Intracerebral and Other Intracranial Hemorrhage	431-432	169	5.1	0.8	199	6.0	0.9
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	434.0,434.9	127	3.9	0.6	147	4.5	0.7
Cerebral Embolism	434.1	10	0.3	0.0	12	0.4	0.1

Cause of Death/ICD9 Code		1987 Number	1987 Rate	1987 Percent	1988 Number	1988 Rate	1988 Percent
All Other and Late Effects of Cerebrovascular Diseases	430,433,435-438	1,033	31.4	4.9	966	29.3	4.5
Atherosclerosis	440	326	9.9	1.5	357	10.8	1.7
Other Diseases of Arteries, Arterioles, and Capillaries	441-448	291	8.8	1.4	272	8.2	1.3
Acute Bronchitis and Bronchiolitis	466	12	0.4	0.1	6	0.2	0.0
Pneumonia and Influenza	480-487	901	27.4	4.3	984	29.8	4.6
Pneumonia	480-486	879	26.7	4.2	949	28.7	4.5
Influenza	487	22	0.7	0.1	35	1.1	0.2
Chronic Obstructive Pulmonary Diseases	490-496	1,245	37.8	5.9	1,293	39.2	6.1
Bronchitis, Chronic and Unspecified	490-491	48	1.5	0.2	33	1.0	0.2
Emphysema	492	202	6.1	1.0	236	7.1	1.1
Asthma	493	72	2.2	0.3	89	2.7	0.4
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	494-496	923	28.0	4.4	935	28.3	4.4
Ulcer of Stomach and Duodenum	531-533	114	3.5	0.5	83	2.5	0.4
Appendicitis	540-543	1	0.0	0.0	4	0.1	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	550-553,560	74	2.2	0.4	59	1.8	0.3
Chronic Liver Disease and Cirrhosis	571	258	7.8	1.2	275	8.3	1.3
Cholelithiasis and Other Disorders of Gallbladder	574-575	40	1.2	0.2	40	1.2	0.2
Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	142	4.3	0.7	145	4.4	0.7
Acute Glomerulonephritis, Nephrotic Syndrome	580-581	2	0.1	0.0	3	0.1	0.0
Other Specified Renal Disease	582-583,587	20	0.6	0.1	40	1.2	0.2
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	584-586,588-589	120	3.6	0.6	102	3.1	0.5
Infections of Kidney	590	20	0.6	0.1	17	0.5	0.1
Hyperplasia of Prostate	600	9	0.3	0.0	8	0.2	0.0
Complications of Pregnancy, Childbirth, and the Puerperium	630-676	4	0.1	0.0	5	0.2	0.0
Pregnancy with Abortive Outcome	630-638		0.0	0.0	2	0.1	0.0
Other Complications of Pregnancy	640-676	4	0.1	0.0	3	0.1	0.0
Congenital Anomalies	740-759	185	5.6	0.9	184	5.6	0.9
Certain Conditions Originating in Perinatal Period	760-779	200	6.1	0.9	198	6.0	0.0 0.9
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	767-769	46	1.4	0.2	39	1.2	0.2
Other Perinatal Conditions	760-766,770-779	154	4.7	0.7	159	4.8	0.7
Symptoms, Signs, Ill-Defined Conditions	780-799	213	6.5	1.0	215	6.5	1.0
Accidents and Adverse Effects	E800-E949	1,226	37.2	5.8	1,125	34.1	5.3
Motor Vehicle Accidents	E810-E825	616	18.7	2.9	559	16.9	2.6
All Other Accidents and Adverse Effects	E800-E807,E826-E949	610	18.5	2.9	566	17.1	2.7
Suicide	E950-E959	561	17.0	2.7	598	18.1	2.8
Homicide and Legal Intervention	E960-E978	204	6.2	1.0	190	5.8	0.9
All Other External Causes	E980-E999	67	2.0	0.3	69	2.1	0.3

Rates are per 100,000 population.

Table 56. Deaths, Death Rates and Percentage of Deaths for 72 Selected Causes: United States, 1987-88

Cause of Death/ICD9 Code		1987 Number	1987 Rate	1987 Percent	1988 Number	1988 Rate	1988 Percent
All Causes		2,127,000	874.0	100.0	2,171,000	883.0	100.0
Shigellosis and Amebiasis	004,006	10	0.0	0.0	0	0.0	0.0
Certain Other Intestinal Infections	007-009	340	0.1	0.0	280	0.1	0.0
Tuberculosis	010-018	1,720	0.7	0.1	1,970	0.8	0.1
Of Respiratory System	010-012	1,460	0.6	0.1	1,640	0.7	0.1
Other Tuberculosis	013-018	260	0.1	0.0	330	0.1	0.0
Whooping Cough	033	0	0.0	0.0	0	0.0	0.0
Strep Sore Throat, Scarlatina, Erysipelas	034-035	10	0.0	0.0	20	0.0	0.0
Meningococcal Infection	036	210	0.1	0.0	300	0.1	0.0
Septicemia	038	19,810	8.1	0.9	20,850	8.5	1.0
Human Immunodeficiency Virus Infection	042-044	13,130	5.4	0.6	16,120	6.6	0.7
Acute Poliomyelitis	045	0	0.0	0.0	0	0.0	0.0
Measles	055	0	0.0	0.0	0	0.0	0.0
Viral Hepatitis	070	1,470	0.6	0.1	1,260	0.5	0.1
Syphilis	090-097	100	0.0	0.0	60	0.0	0.0
All Other Infectious, Parasitic Diseases	(001-139)	6,030	-	0.3	6,450	-	0.3
Malignant Neoplasms, All Sites	140-208	477,190	196.1	22.4	488,240	198.6	22.5
Of Lip, Oral Cavity, and Pharynx	140-149	8,240	3.4	0.4	7,750	3.2	0.4
Of Digestive Organs and Peritoneum	150-159	116,200	47.7	5.5	116,610	47.4	5.4
Of Respiratory and Intrathoracic Organs	160-165	133,400	54.8	6.3	140,760	57.3	6.5
Of Breast	174-175	41,380	17.0	1.9	43,020	17.5	2.0
Of Genital Organs	179-187	51,380	21.1	2.4	53,660	21.8	2.5
Of Urinary Organs	188-189	19,850	8.2	0.9	19,400	7.9	0.9
Other and Unspecified Sites	170-173,190-199	61,510	25.3	2.9	61,460	25.0	2.8
Leukemia	204-208	17,960	7.4	0.8	17,420	7.1	0.8
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	200-203	27,280	11.2	1.3	28,160	11.5	1.3
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	210-239	6,650	2.7	0.3	7,120	2.9	0.3
Diabetes Mellitus	250	37,900	15.6	1.8	39,610	16.1	1.8
Nutritional Deficiencies	260-269	2,800	1.2	0.1	2,820	1.1	0.1
Anemias	280-285	3,650	1.5	0.2	3,740	1.5	0.2
Meningitis	320-322	1,290	0.5	0.1	1,230	0.5	0.1
Major Cardiovascular Diseases	390-448	966,400	397.0	45.4	972,140	385.5	44.8
Diseases of Heart	390-398,402,404-429	762,820	313.4	35.9	767,400	312.2	35.3
Rheumatic Fever and Rheumatic Heart Disease	390-398	6,140	2.5	0.3	6,520	2.7	0.3
Hypertensive Heart Disease	402	20,230	8.3	1.0	20,320	8.3	0.9
Hypertensive Heart and Renal Disease	404	2,690	1.1	0.1	2,530	1.0	0.1
Ischemic Heart Disease	410-414	513,680	211.0	24.2	511,050	207.9	23.5
Acute Myocardial Infarction	410	253,140	104.0	11.9	249,950	101.7	11.5
Other Acute and Subacute Forms of Ischemic Heart Disease	411	3,530	1.5	0.2	3,550	1.4	0.2
Angina Pectoris	413	1,330	0.5	0.1	1,080	0.4	0.0
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	412,414	255,680	105.0	12.0	256,470	104.3	11.8
Other Diseases of Endocardium	424	11,130	4.6	0.5	11,040	4.5	0.5
All Other Heart Disease	415-423,425-429	208,940	85.8	9.8	215,940	87.8	9.9
Hypertension with or without Renal Disease	401,403	7,990	3.3	0.4	8,110	3.3	0.4
Cerebrovascular Diseases	430-438	149,220	61.3	7.0	150,300	61.1	6.9
Intracerebral and Other Intracranial Hemorrhage	431-432	19,760	8.1	0.9	21,620	8.8	1.0
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	434.0,434.9	21,690	8.9	1.0	20,820	8.5	1.0
Cerebral Embolism	434.1	690	0.3	0.0	730	0.3	0.0

Cause of Death/ICD9 Code		1987 Number	1987 Rate	1987 Percent	1988 Number	1988 Rate	1988 Percent
All Other and Late Effects of Cerebrovascular Diseases	430,433,435-438	107,070	44.0	5.0	107,130	43.6	4.9
Atherosclerosis	440	23,200	9.5	1.1	23,700	9.6	1.1
Other Diseases of Arteries, Arterioles, and Capillaries	441-448	23,190	9.5	1.1	22,620	9.2	1.0
Acute Bronchitis and Bronchiolitis	466	540	0.2	0.0	710	0.3	0.0
Pneumonia and Influenza	480-487	70,120	28.8	3.3	77,330	31.5	3.6
Pneumonia	480-486	69,500	28.6	3.3	75,430	30.7	3.5
Influenza	487	610	0.3	0.0	1,900	0.8	0.1
Chronic Obstructive Pulmonary Diseases	490-496	78,270	32.2	3.7	81,960	33.3	3.8
Bronchitis, Chronic and Unspecified	490-491	3,300	1.4	0.2	3,440	1.4	0.2
Emphysema	492	14,550	6.0	0.7	15,750	6.4	0.7
Asthma	493	4,030	1.7	0.2	4,580	1.9	0.2
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	494-496	56,380	23.2	2.7	58,180	23.7	2.7
Ulcer of Stomach and Duodenum	531-533	5,840	2.4	0.3	6,420	2.6	0.3
Appendicitis	540-543	500	0.2	0.0	400	0.2	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	550-553,560	5,690	2.3	0.3	5,040	2.1	0.2
Chronic Liver Disease and Cirrhosis	571	26,050	10.7	1.2	26,080	10.6	1.2
Cholelithiasis and Other Disorders of Gallbladder	574-575	3,260	1.3	0.2	3,210	1.3	0.1
Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	23,040	9.5	1.1	21,890	8.9	1.0
Acute Glomerulonephritis, Nephrotic Syndrome	580-581	370	0.2	0.0	280	0.1	0.0
Other Specified Renal Disease	582-583,587	1,570	0.6	0.1	1,240	0.5	0.1
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	584-586,588-589	21,100	8.7	1.0	20,360	8.3	0.9
Infections of Kidney	590	1,840	0.8	0.1	1,440	0.6	0.1
Hyperplasia of Prostate	600	520	0.2	0.0	420	0.2	0.0
Complications of Pregnancy, Childbirth, and the Puerperium	630-676	240	0.1	0.0	300	0.1	0.0
Pregnancy with Abortive Outcome	630-638	40	0.0	0.0	20	0.0	0.0
Other Complications of Pregnancy	640-676	200	0.1	0.0	280	0.1	0.0
Congenital Anomalies	740-759	12,130	5.0	0.6	12,770	5.2	0.6
Certain Conditions Originating in Perinatal Period	760-779	18,460	7.6	0.9	18,510	7.5	0.9
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	767-769	4,490	1.8	0.2	4,190	1.7	0.2
Other Perinatal Conditions	760-766,770-779	13,960	5.7	0.7	14,320	5.8	0.7
Symptoms, Signs, Ill-Defined Conditions	780-799	31,290	12.9	1.5	31,820	12.9	1.5
Accidents and Adverse Effects	E800-E949	94,840	39.0	4.5	97,500	39.7	4.5
Motor Vehicle Accidents	E810-E825	48,950	20.1	2.3	50,060	20.4	2.3
All Other Accidents and Adverse Effects	E800-E807,E826-E949	45,890	18.9	2.2	47,440	19.3	2.2
Suicide	E950-E959	30,980	12.7	1.5	30,260	12.3	1.4
Homicide and Legal Intervention	E960-E978	20,580	8.5	1.0	22,190	9.0	1.0
All Other External Causes	E980-E999	2,820	1.2	0.1	2,830	1.2	0.1

Rates are per 100,000 population. U.S. data are provisional.

Table 57. Total Deaths by 72 Selected Causes by Age Group: Colorado Residents, 1988

Cause of Death/ICD9 Code		Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes		21,312	506	69	104	448	746	836	1,142	2,529	4,446	5,658	4,828
Shigellosis and Amebiasis	004,006	0	0	0	0	0	0	0	0	0	0	0	0
Certain Other Intestinal Infections	007-009	5	1	0	0	0	0	0	0	0	1	2	1
Tuberculosis	010-018	13	0	0	0	0	1	1	1	2	3	4	1
Of Respiratory System	010-012	9	0	0	0	0	1	1	1	2	0	3	1
Other Tuberculosis	013-018	4	0	0	0	0	0	0	0	0	3	1	0
Whooping Cough	033	0	0	0	0	0	0	0	0	0	0	0	0
Strep Sore Throat, Scarlatina, Erysipelas	034-035	1	0	0	0	0	0	0	0	0	0	1	0
Meningococcal Infection	036	2	0	0	0	2	0	0	0	0	0	0	0
Septicemia	038	196	8	1	2	2	3	9	7	22	30	53	59
Human Immunodeficiency Virus Infection	042-044	168	0	0	0	4	60	62	21	14	6	1	0
Acute Poliomyelitis	045	0	0	0	0	0	0	0	0	0	0	0	0
Measles	055	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hepatitis	070	20	0	1	0	0	0	1	0	7	6	5	0
Syphilis	090-097	2	0	0	0	0	0	0	0	0	0	1	1
All Other Infectious, Parasitic Diseases	(001-139)	69	2	3	1	0	3	0	8	8	14	17	13
Malignant Neoplasms, All Sites	140-208	4,446	3	8	11	18	65	159	363	902	1,344	1,114	459
Of Lip, Oral Cavity, and Pharynx	140-149	68	0	0	0	0	0	3	5	21	20	16	3
Of Digestive Organs and Peritoneum	150-159	1,126	0	0	1	1	10	24	77	230	332	306	145
Of Respiratory and Intrathoracic Organs	160-165	1,070	0	0	0	0	3	15	83	266	396	249	58
Of Breast	174-175	450	0	0	0	0	7	43	61	110	102	78	49
Of Genital Organs	179-187	552	0	0	0	0	1	22	29	76	173	166	85
Of Urinary Organs	188-189	199	0	0	1	0	2	5	8	29	65	62	27
Other and Unspecified Sites	170-173,190-199	534	1	3	4	8	22	31	62	101	147	108	47
Leukemia	204-208	176	2	3	4	7	6	10	16	26	44	36	22
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	200-203	271	0	2	1	2	14	6	22	43	65	93	23
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	210-239	42	0	0	0	0	3	0	1	8	9	10	11
Diabetes Mellitus	250	371	1	1	0	0	15	19	23	52	96	103	61
Nutritional Deficiencies	260-269	50	0	0	0	0	0	0	0	0	5	9	36
Anemias	280-285	43	0	1	1	1	1	1	1	2	8	11	16
Meningitis	320-322	16	5	3	1	0	2	0	0	1	1	1	2
Major Cardiovascular Diseases	390-448	8,517	15	3	3	20	49	143	340	876	1,733	2,645	2,690
Diseases of Heart	390-398,402,404-429	6,466	11	3	2	14	33	112	290	751	1,405	1,966	1,879
Rheumatic Fever and Rheumatic Heart Disease	390-398	127	0	0	0	2	0	6	7	19	37	36	20
Hypertensive Heart Disease	402	135	0	0	0	0	0	4	6	10	24	48	43
Hypertensive Heart and Renal Disease	404	27	0	0	0	0	0	0	0	0	6	11	10
Ischemic Heart Disease	410-414	4,679	0	1	0	4	14	68	229	566	1,083	1,408	1,306
Acute Myocardial Infarction	410	2,166	0	0	0	1	7	37	141	322	559	644	455
Other Acute and Subacute Forms of Ischemic Heart Disease	411	30	0	0	0	0	0	1	3	4	8	6	8
Angina Pectoris	413	7	0	0	0	0	0	0	0	2	1	3	1
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	412,414	2,476	0	1	0	3	7	30	85	238	515	755	842
Other Diseases of Endocardium	424	128	0	0	0	1	1	4	3	13	19	54	33
All Other Heart Disease	415-423,425-429	1,370	11	2	2	7	18	30	45	143	236	409	467
Hypertension with or without Renal Disease	401,403	98	0	0	0	0	0	0	1	10	20	30	37
Cerebrovascular Diseases	430-438	1,324	4	0	1	5	14	27	36	74	200	471	492
Intracerebral and Other Intracranial Hemmorhage	431-432	199	1	0	0	3	5	12	9	21	41	71	36
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	434.0,434.9	147	2	0	0	0	0	2	1	9	21	54	58
Cerebral Embolism	434.1	12	0	0	0	0	0	1		0	2	4	5

Cause of Death/ICD9 Code		Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases	430,433,435-438	966	1	0	1	2	9	12	26	44	136	342	393
Atherosclerosis	440	357	0	0	0	0	0	0	5	6	34	86	226
Other Diseases of Arteries, Arterioles, and Capillaries	441-448	272	0	0	0	1	2	4	8	35	74	92	56
Acute Bronchitis and Bronchiolitis	446	8	0	0	0	0	0	1	0	2	3	2	0
Pneumonia and Influenza	480-487	984	8	2	2	3	7	19	15	40	117	300	471
Pneumonia	480-486	949	7	2	2	3	7	19	15	39	114	290	451
Influenza	487	35	1	0	0	0	0	0	0	1	3	10	20
Chronic Obstructive Pulmonary Diseases	490-496	1,293	0	0	0	2	8	9	20	159	426	494	175
Bronchitis, Chronic and Unspecified	490-491	33	0	0	0	0	2	0	0	1	9	15	6
Emphysema	492	236	0	0	0	0	0	0	3	34	96	81	22
Asthma	493	89	0	0	0	2	5	5	9	15	13	24	16
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	494-496	935	0	0	0	0	1	4	8	109	308	374	131
Ulcer of Stomach and Duodenum	531-533	83	0	0	0	0	1	0	4	8	15	26	29
Appendicitis	540-543	4	0	0	0	0	0	0	0	1	2	1	0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	550-553,560	59	0	0	0	0	0	0	1	6	4	21	27
Chronic Liver Disease and Cirrhosis	571	275	0	0	0	0	11	44	50	67	61	37	5
Cholelithiasis and Other Disorders of Gallbladder	574-575	40	0	0	0	1	0	1	0	3	5	16	14
Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	145	1	0	0	1	0	5	4	16	32	45	41
Acute Glomerulonephritis, Nephrotic Syndrome	580-581	3	0	0	0	0	0	1	0	0	0	1	1
Other Specified Renal Disease	582-583,587	40	0	0	0	1	0	1	1	5	10	12	10
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	584-586,588-589	102	1	0	0	0	0	3	3	11	22	32	30
Infections of Kidney	590	17	0	0	0	0	0	0	1	1	1	4	10
Hyperplasia of Prostate	600	8	0	0	0	0	0	0	0	0	2	4	2
Complications of Pregnancy, Childbirth, and the Puerperium	630-676	5	0	0	0	0	3	2	0	0	0	0	0
Pregnancy with Abortive Outcome	630-638	2	0	0	0	0	1	1	0	0	0	0	0
Other Complications of Pregnancy	640-676	3	0	0	0	0	2	1	0	0	0	0	0
Congenital Anomalies	740-759	184	110	15	8	4	4	6	8	8	10	3	8
Certain Conditions Originating in Perinatal Period	760-769	198	198	0	0	0	0	0	0	0	0	0	0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	767-769	39	39	0	0	0	0	0	0	0	0	0	0
Other Perinatal Conditions	760-766,770-779	159	159	0	0	0	0	0	0	0	0	0	0
Symptoms, Signs, Ill-Defined Conditions	780-799	215	118	2	1	3	8	7	8	11	18	16	23
Accidents and Adverse Effects	E800-E949	1,125	6	19	53	214	234	132	94	73	75	116	109
Motor Vehicle Accidents	E810-E825	559	3	5	31	169	142	72	49	34	25	20	9
All Other Accidents and Adverse Effects	E800-E807,E826-E949	566	3	14	22	45	92	60	45	39	50	96	100
Suicide	E950-E959	598	0	0	5	107	144	116	75	51	58	38	4
Homicide and Legal Intervention	E960-E978	190	10	5	5	37	59	38	16	10	7	2	1
All Other External Causes	E980-E999	69	0	0	0	9	29	13	9	3	2	2	2

Table 58. Death Rates for 72 Selected Causes of Death by Age Group: Colorado Residents, 1988

Cause of Death	Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes	645.5	882.0	32.6	22.0	86.3	122.4	155.2	352.6	989.7	2,386.0	5,917.7	15,160.5
Shigellosis and Amebiasis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Certain Other Intestinal Infections	0.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.1	3.1
Tuberculosis	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.8	1.6	4.2	3.1
Of Respiratory System	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.8	0.0	3.1	3.1
Other Tuberculosis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.0	0.0
Whooping Cough	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Strep Sore Throat, Scarlatina, Erysipelas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Meningococcal Infection	0.1	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Septicemia	5.9	13.9	0.5	0.4	0.4	0.5	1.7	2.2	8.6	16.1	55.4	185.3
Human Immunodeficiency Virus Infection	5.1	0.0	0.0	0.0	0.8	9.8	11.5	6.5	5.5	3.2	1.0	0.0
Acute Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viral Hepatitis	0.6	0.0	0.5	0.0	0.0	0.0	0.2	0.0	2.7	3.2	5.2	0.0
Syphilis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1
All Other Infectious, Parasitic Diseases	2.1	3.5	1.4	0.2	0.0	0.5	0.0	2.5	3.1	7.5	17.8	40.8
Malignant Neoplasms, All Sites	134.7	5.2	3.8	2.3	3.5	10.7	29.5	112.1	353.0	721.3	1,165.1	1,441.3
Of Lip, Oral Cavity, and Pharynx	2.1	0.0	0.0	0.0	0.0	0.0	0.6	1.5	8.2	10.7	16.7	9.4
Of Digestive Organs and Peritoneum	34.1	0.0	0.0	0.2	0.2	1.6	4.5	23.8	90.0	178.2	320.0	455.3
Of Respiratory and Intrathoracic Organs	32.4	0.0	0.0	0.0	0.0	0.5	2.8	25.6	104.1	212.5	260.4	182.1
Of Breast	13.6	0.0	0.0	0.0	0.0	1.1	8.0	18.8	43.0	54.7	81.6	153.9
Of Genital Organs	16.7	0.0	0.0	0.0	0.0	0.2	4.1	9.0	29.7	92.8	173.6	266.9
Of Urinary Organs	6.0	0.0	0.0	0.2	0.0	0.3	0.9	2.5	11.3	34.9	64.8	84.8
Other and Unspecified Sites	16.2	1.7	1.4	0.8	1.5	3.6	5.8	19.1	39.5	78.9	113.0	147.6
Leukemia	5.3	3.5	1.4	0.8	1.3	1.0	1.9	4.9	10.2	23.6	37.7	69.1
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	8.2	0.0	0.9	0.2	0.4	2.3	1.1	6.8	16.8	34.9	97.3	72.2
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	1.3	0.0	0.0	0.0	0.0	0.5	0.0	0.3	3.1	4.8	10.5	34.5
Diabetes Mellitus	11.2	1.7	0.5	0.0	0.0	2.5	3.5	7.1	20.4	51.5	107.7	191.5
Nutritional Deficiencies	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	9.4	113.0
Anemias	1.3	0.0	0.5	0.2	0.2	0.2	0.2	0.3	0.8	4.3	11.5	50.2
Meningitis	0.5	8.7	1.4	0.2	0.0	0.3	0.0	0.0	0.4	0.5	1.0	6.3
Major Cardiovascular Diseases	258.0	26.1	1.4	0.6	3.9	8.0	26.5	105.0	342.8	930.1	2,766.4	8,446.9
Diseases of Heart	195.9	19.2	1.4	0.4	2.7	5.4	20.8	89.5	293.9	754.0	2,056.2	5,900.3
Rheumatic Fever and Rheumatic Heart Disease	3.8	0.0	0.0	0.0	0.4	0.0	1.1	2.2	7.4	19.9	37.7	62.8
Hypertensive Heart Disease	4.1	0.0	0.0	0.0	0.0	0.0	0.7	1.9	3.9	12.9	50.2	135.0
Hypertensive Heart and Renal Disease	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	11.5	31.4
Ischemic Heart Disease	141.7	0.0	0.5	0.0	0.8	2.3	12.6	70.7	221.5	581.2	1,472.6	4,101.0
Acute Myocardial Infarction	65.6	0.0	0.0	0.0	0.2	1.1	6.9	43.5	126.0	300.0	673.6	1,428.8
Other Acute and Subacute Forms of Ischemic Heart Disease	0.9	0.0	0.0	0.0	0.0	0.0	0.2	0.9	1.6	4.3	6.3	25.1
Angina Pectoris	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	3.1	3.1
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	75.0	0.0	0.5	0.0	0.6	1.1	5.6	26.2	93.1	276.4	789.6	2,644.0
Other Diseases of Endocardium	3.9	0.0	0.0	0.0	0.2	0.2	0.7	0.9	5.1	10.2	56.5	103.6
All Other Heart Disease	41.5	19.2	0.9	0.4	1.3	3.0	5.6	13.9	56.0	126.7	427.8	1,466.4
Hypertension with or without Renal Disease	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.9	10.7	31.4	116.2
Cerebrovascular Diseases	40.1	7.0	0.0	0.2	1.0	2.3	5.0	11.1	29.0	107.3	492.6	1,544.9
Intracerebral and Other Intracranial Hemorrhage	6.0	1.7	0.0	0.0	0.6	0.8	2.2	2.8	8.2	22.0	74.3	113.0
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	4.5	3.5	0.0	0.0	0.0	0.0	0.4	0.3	3.5	11.3	56.5	182.1
Cerebral Embolism	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.1	4.2	15.7

Cause of Death	Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases	29.3	1.7	0.0	0.2	0.4	1.5	2.2	8.0	17.2	73.0	357.7	1,234.1
Atherosclerosis	10.8	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.3	18.2	89.9	709.7
Other Diseases of Arteries, Arterioles, and Capillaries	8.2	0.0	0.0	0.0	0.2	0.3	0.7	2.5	13.7	39.7	96.2	175.8
Acute Bronchitis and Bronchiolitis	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.8	1.6	2.1	0.0
Pneumonia and Influenza	29.8	13.9	0.9	0.4	0.6	1.1	3.5	4.6	15.7	62.8	313.8	1,479.0
Pneumonia	28.7	12.2	0.9	0.4	0.6	1.1	3.5	4.6	15.3	61.2	303.3	1,416.2
Influenza	1.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.6	10.5	62.8
Chronic Obstructive Pulmonary Diseases	39.2	0.0	0.0	0.0	0.4	1.3	1.7	6.2	62.2	228.6	516.7	549.5
Bronchitis, Chronic and Unspecified	1.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.4	4.8	15.7	18.8
Emphysema	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	13.3	51.5	84.7	69.1
Asthma	2.7	0.0	0.0	0.0	0.4	0.8	0.9	2.8	5.9	7.0	25.1	50.2
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	28.3	0.0	0.0	0.0	0.0	0.2	0.7	2.5	42.7	165.3	391.2	411.4
Ulcer of Stomach and Duodenum	2.5	0.0	0.0	0.0	0.0	0.2	0.0	1.2	3.1	8.1	27.2	91.1
Appendicitis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.1	1.0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.3	2.1	22.0	84.8
Chronic Liver Disease and Cirrhosis	8.3	0.0	0.0	0.0	0.0	1.8	8.2	15.4	26.2	32.7	38.7	15.7
Cholelithiasis and Other Disorders of Gallbladder	1.2	0.0	0.0	0.0	0.2	0.0	0.2	0.0	1.2	2.7	16.7	44.0
Nephritis, Nephrotic Syndrome, and Nephrosis	4.4	1.7	0.0	0.0	0.2	0.0	0.9	1.2	6.3	17.2	47.1	128.7
Acute Glomerulonephritis, Nephrotic Syndrome	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	1.0	3.1
Other Specified Renal Disease	1.2	0.0	0.0	0.0	0.2	0.0	0.2	0.3	2.0	5.4	12.6	31.4
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	3.1	1.7	0.0	0.0	0.0	0.0	0.6	0.9	4.3	11.8	33.5	94.2
Infections of Kidney	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.5	4.2	31.4
Hyperplasia of Prostate	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.2	6.3
Complications of Pregnancy, Childbirth, and the Puerperium	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.0
Pregnancy with Abortive Outcome	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0
Other Complications of Pregnancy	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0
Congenital Anomalies	5.6	191.7	7.1	1.7	0.8	0.7	1.1	2.5	3.1	5.4	3.1	25.1
Certain Conditions Originating in Perinatal Period	6.0	345.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	1.2	68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Perinatal Conditions	4.8	277.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Symptoms, Signs, Ill-Defined Conditions	6.5	205.7	0.9	0.2	0.6	1.3	1.3	2.5	4.3	9.7	16.7	72.2
Accidents and Adverse Effects	34.1	10.5	9.0	11.2	41.2	38.4	24.5	29.0	28.6	40.3	121.3	342.3
Motor Vehicle Accidents	16.9	5.2	2.4	6.6	32.6	23.3	13.4	15.1	13.3	13.4	20.9	28.3
All Other Accidents and Adverse Effects	17.1	5.2	6.6	4.7	8.7	15.1	11.1	13.9	15.3	26.8	100.4	314.0
Suicide	18.1	0.0	0.0	1.1	20.6	23.6	21.5	23.2	20.0	31.1	39.7	12.6
Homicide and Legal Intervention	5.8	17.4	2.4	1.1	7.1	9.7	7.1	4.9	3.9	3.8	2.1	3.1
All Other External Causes	2.1	0.0	0.0	0.0	1.7	4.8	2.4	2.8	1.2	1.1	2.1	6.3

Rates are deaths per 100,000 population in each age group.

Table 59. Male Deaths by 72 Selected Causes by Age Group: Colorado Residents, 1988

Cause of Death/ICD9 Code		Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes		11,057	302	39	63	306	549	563	705	1,510	2,631	2,845	1,544
Shigellosis and Amebiasis	004,006	0	0	0	0	0	0	0	0	0	0	0	0
Certain Other Intestinal Infections	007-009	2	0	0	0	0	0	0	0	0	1	1	0
Tuberculosis	010-018	9	0	0	0	0	0	1	0	2	3	3	0
Of Respiratory System	010-012	5	0	0	0	0	0	1	0	2	0	2	0
Other Tuberculosis	013-018	4	0	0	0	0	0	0	0	0	3	1	0
Whooping Cough	033	0	0	0	0	0	0	0	0	0	0	0	0
Strep Sore Throat, Scarlatina, Erysipelas	034-035	1	0	0	0	0	0	0	0	0	0	1	0
Meningococcal Infection	036	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	038	87	4	0	1	0	3	4	2	13	15	26	19
Human Immunodeficiency Virus Infection	042-044	163	0	0	0	4	59	61	21	13	4	1	0
Acute Poliomyelitis	045	0	0	0	0	0	0	0	0	0	0	0	0
Measles	055	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hepatitis	070	11	0	1	0	0	0	1	0	2	4	3	0
Syphilis	090-097	2	0	0	0	0	0	0	0	0	0	1	1
All Other Infectious, Parasitic Diseases	(001-139)	36	1	3	0	0	2	0	6	4	9	6	5
Malignant Neoplasms, All Sites	140-208	2,297	3	2	8	7	35	63	165	457	778	589	190
Of Lip, Oral Cavity, and Pharynx	140-149	41	0	0	0	0	0	2	4	14	11	10	0
Of Digestive Organs and Peritoneum	150-159	570	0	0	1	0	5	14	51	137	187	131	44
Of Respiratory and Intrathoracic Organs	160-165	681	0	0	0	0	2	9	45	160	267	165	33
Of Breast	174-175	3	0	0	0	0	1	1	0	1	0	0	0
Of Genital Organs	179-187	324	0	0	0	0	1	4	2	30	112	111	64
Of Urinary Organs	188-189	127	0	0	1	0	2	3	6	21	49	33	12
Other and Unspecified Sites	170-173,190-199	304	1	1	2	4	13	21	33	56	89	66	18
Leukemia	204-208	104	2	0	3	2	5	5	10	15	27	24	11
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	200-203	143	0	1	1	1	6	4	14	23	36	49	8
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	210-239	12	0	0	0	0	0	0	0	1	2	6	3
Diabetes Mellitus	250	156	0	1	0	0	6	6	18	27	44	37	17
Nutritional Deficiencies	260-269	13	0	0	0	0	0	0	0	0	3	4	6
Anemias	280-285	18	0	1	0	0	0	0	1	2	6	5	3
Meningitis	320-322	6	3	0	0	0	2	0	0	0	0	1	0
Major Cardiovascular Diseases	390-448	4,088	12	0	3	11	30	102	248	586	1,080	1,249	767
Diseases of Heart	390-398,402,404-429	3,283	9	0	2	9	24	86	218	517	903	954	561
Rheumatic Fever and Rheumatic Heart Disease	390-398	50	0	0	0	2	0	4	2	10	17	13	2
Hypertensive Heart Disease	402	53	0	0	0	0	0	2	3	8	12	21	7
Hypertensive Heart and Renal Disease	404	10	0	0	0	0	0	0	0	0	3	5	2
Ischemic Heart Disease	410-414	2,506	0	0	0	4	10	58	181	403	725	706	419
Acute Myocardial Infarction	410	1,258	0	0	0	1	5	32	111	230	380	344	155
Other Acute and Subacute Forms of Ischemic Heart Disease	411	16	0	0	0	0	0	1	2	3	4	3	3
Angina Pectoris	413	4	0	0	0	0	0	0	0	1	1	2	0
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	412,414	1,228	0	0	0	3	5	25	68	169	340	357	261
Other Diseases of Endocardium	424	61	0	0	0	1	1	4	3	9	10	27	6
All Other Heart Disease	415-423,425-429	603	9	0	2	2	13	18	29	87	136	182	125
Hypertension with or without Renal Disease	401,403	42	0	0	0	0	0	0	1	3	9	16	13
Cerebrovascular Diseases	430-438	467	3	0	1	2	4	13	24	37	95	176	112
Intracerebral and Other Intracranial Hemmorhage	431-432	84	1	0	0	1	2	8	5	14	21	24	8
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	434.0,434.9	56	1	0	0	0	0	1	1	4	10	19	20
Cerebral Embolism	434.1	3	0	0	0	0	0	0	0	0	0	1	2

Cause of Death/ICD9 Code		Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases	430,433,435-438	324	1	0	1	1	2	4	18	19	64	132	82
Atherosclerosis	440	125	0	0	0	0	0	0	2	4	17	46	56
Other Diseases of Arteries, Arterioles, and Capillaries	441-448	171	0	0	0	0	2	3	3	25	56	57	25
Acute Bronchitis and Bronchiolitis	446	7	0	0	0	0	0	1	0	2	2	2	0
Pneumonia and Influenza	480-487	460	5	2	0	2	4	13	9	29	69	154	173
Pneumonia	480-486	447	4	2	0	2	4	13	9	28	67	148	170
Influenza	487	13	1	0	0	0	0	0	0	1	2	6	3
Chronic Obstructive Pulmonary Diseases	490-496	795	0	0	0	0	4	6	11	108	255	318	93
Bronchitis, Chronic and Unspecified	490-491	21	0	0	0	0	1	0	0	1	4	11	4
Emphysema	492	154	0	0	0	0	0	0	2	20	65	55	12
Asthma	493	35	0	0	0	0	3	3	5	7	6	7	4
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	494-496	585	0	0	0	0	0	3	4	80	180	245	73
Ulcer of Stomach and Duodenum	531-533	38	0	0	0	0	0	0	3	6	8	11	10
Appendicitis	540-543	1	0	0	0	0	0	0	0	1	0	0	0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	550-553,560	19	0	0	0	0	0	0	1	2	2	8	6
Chronic Liver Disease and Cirrhosis	571	177	0	0	0	0	6	32	29	45	41	21	3
Cholelithiasis and Other Disorders of Gallbladder	574-575	22	0	0	0	1	0	1	0	2	2	9	7
Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	72	0	0	0	1	0	5	3	10	20	20	13
Acute Glomerulonephritis, Nephrotic Syndrome	580-581	2	0	0	0	0	0	1	0	0	0	1	0
Other Specified Renal Disease	582-583,587	24	0	0	0	1	0	1	0	3	8	6	5
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	584-586,588-589	46	0	0	0	0	0	3	3	7	12	13	8
Infections of Kidney	590	3	0	0	0	0	0	0	0	0	1	1	1
Hyperplasia of Prostate	600	8	0	0	0	0	0	0	0	0	2	4	2
Complications of Pregnancy, Childbirth, and the Puerperium	630-676	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy with Abortive Outcome	630-638	0	0	0	0	0	0	0	0	0	0	0	0
Other Complications of Pregnancy	640-676	0	0	0	0	0	0	0	0	0	0	0	0
Congenital Anomalies	740-759	98	63	8	6	3	0	4	6	0	6	0	2
Certain Conditions Originating in Perinatal Period	760-769	118	118	0	0	0	0	0	0	0	0	0	0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	767-769	27	27	0	0	0	0	0	0	0	0	0	0
Other Perinatal Conditions	760-766,770-779	91	91	0	0	0	0	0	0	0	0	0	0
Symptoms, Signs, Ill-Defined Conditions	780-799	131	77	0	1	1	8	4	7	8	9	6	10
Accidents and Adverse Effects	E800-E949	730	3	14	32	151	180	102	65	46	41	64	32
Motor Vehicle Accidents	E810-E825	369	2	3	14	115	101	55	28	19	15	13	4
All Other Accidents and Adverse Effects	E800-E807,E826-E949	361	1	11	18	36	79	47	37	27	26	51	28
Suicide	E950-E959	462	0	0	4	83	119	88	59	34	40	33	2
Homicide and Legal Intervention	E960-E978	129	4	3	1	23	45	29	11	8	3	1	1
All Other External Causes	E980-E999	44	0	0	0	5	21	9	3	2	2	1	1

Table 60. Male Death Rates for 72 Selected Causes of Death by Age Group: Colorado Residents, 1988

Cause of Death	Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes	673.6	1,021.8	36.0	26.0	114.5	176.9	207.1	437.4	1,240.0	3,154.6	7,801.6	16,985.7
Shigellosis and Amebiasis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Certain Other Intestinal Infections	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.0
Tuberculosis	0.5	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.6	3.6	8.2	0.0
Of Respiratory System	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.6	0.0	5.5	0.0
Other Tuberculosis	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.7	0.0
Whooping Cough	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Strep Sore Throat, Scarlatina, Erysipelas	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0
Meningococcal Infection	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Septicemia	5.3	13.5	0.0	0.4	0.0	1.0	1.5	1.2	10.7	18.0	71.3	209.0
Human Immunodeficiency Virus Infection	9.9	0.0	0.0	0.0	1.5	19.0	22.4	13.0	10.7	4.8	2.7	0.0
Acute Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viral Hepatitis	0.7	0.0	0.9	0.0	0.0	0.0	0.4	0.0	1.6	4.8	8.2	0.0
Syphilis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	11.0
All Other Infectious, Parasitic Diseases	2.2	3.4	2.8	0.0	0.0	0.6	0.0	3.7	3.3	10.8	16.5	55.0
Malignant Neoplasms, All Sites	139.9	10.2	1.8	3.3	2.6	11.3	23.2	102.4	375.3	932.8	1,615.2	2,090.2
Of Lip, Oral Cavity, and Pharynx	2.5	0.0	0.0	0.0	0.0	0.0	0.7	2.5	11.5	13.2	27.4	0.0
Of Digestive Organs and Peritoneum	34.7	0.0	0.0	0.4	0.0	1.6	5.1	31.6	112.5	224.2	359.2	484.0
Of Respiratory and Intrathoracic Organs	41.5	0.0	0.0	0.0	0.0	0.6	3.3	27.9	131.4	320.1	452.5	363.0
Of Breast	0.2	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.8	0.0	0.0	0.0
Of Genital Organs	19.7	0.0	0.0	0.0	0.0	0.3	1.5	1.2	24.6	134.3	304.4	704.1
Of Urinary Organs	7.7	0.0	0.0	0.4	0.0	0.6	1.1	3.7	17.2	58.8	90.5	132.0
Other and Unspecified Sites	18.5	3.4	0.9	0.8	1.5	4.2	7.7	20.5	46.0	106.7	181.0	198.0
Leukemia	6.3	6.8	0.0	1.2	0.7	1.6	1.8	6.2	12.3	32.4	65.8	121.0
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	8.7	0.0	0.9	0.4	0.4	1.9	1.5	8.7	18.9	43.2	134.4	88.0
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	16.5	33.0
Diabetes Mellitus	9.5	0.0	0.9	0.0	0.0	1.9	2.2	11.2	22.2	52.8	101.5	187.0
Nutritional Deficiencies	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	11.0	66.0
Anemias	1.1	0.0	0.9	0.0	0.0	0.0	0.0	0.6	1.6	7.2	13.7	33.0
Meningitis	0.4	10.2	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	2.7	0.0
Major Cardiovascular Diseases	249.1	40.6	0.0	1.2	4.1	9.7	37.5	153.9	481.2	1,294.9	3,425.0	8,437.8
Diseases of Heart	200.0	30.5	0.0	0.8	3.4	7.7	31.6	135.3	424.5	1,082.7	2,616.1	6,171.6
Rheumatic Fever and Rheumatic Heart Disease	3.0	0.0	0.0	0.0	0.7	0.0	1.5	1.2	8.2	20.4	35.6	22.0
Hypertensive Heart Disease	3.2	0.0	0.0	0.0	0.0	0.0	0.7	1.9	6.6	14.4	57.6	77.0
Hypertensive Heart and Renal Disease	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	13.7	22.0
Ischemic Heart Disease	152.7	0.0	0.0	0.0	1.5	3.2	21.3	112.3	330.9	869.3	1,936.0	4,609.5
Acute Myocardial Infarction	76.6	0.0	0.0	0.0	0.4	1.6	11.8	68.9	188.9	455.6	943.3	1,705.2
Other Acute and Subacute Forms of Ischemic Heart Disease	1.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	2.5	4.8	8.2	33.0
Angina Pectoris	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.2	5.5	0.0
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	74.8	0.0	0.0	0.0	1.1	1.6	9.2	42.2	138.8	407.7	979.0	2,871.3
Other Diseases of Endocardium	3.7	0.0	0.0	0.0	0.4	0.3	1.5	1.9	7.4	12.0	74.0	66.0
All Other Heart Disease	36.7	30.5	0.0	0.8	0.7	4.2	6.6	18.0	71.4	163.1	499.1	1,375.1
Hypertension with or without Renal Disease	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.5	10.8	43.9	143.0
Cerebrovascular Diseases	28.5	10.2	0.0	0.4	0.7	1.3	4.8	14.9	30.4	113.9	482.6	1,232.1
Intracerebral and Other Intracranial Hemorrhage	5.1	3.4	0.0	0.0	0.4	0.6	2.9	3.1	11.5	25.2	65.8	88.0
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	3.4	3.4	0.0	0.0	0.0	0.0	0.4	0.6	3.3	12.0	52.1	220.0
Cerebral Embolism	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	22.0

Cause of Death	Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases	19.7	3.4	0.0	0.4	0.4	0.6	1.5	11.2	15.6	76.7	362.0	902.1
Atherosclerosis	7.6	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.3	20.4	126.1	616.1
Other Diseases of Arteries, Arterioles, and Capillaries	10.4	0.0	0.0	0.0	0.0	0.6	1.1	1.9	20.5	67.1	156.3	275.0
Acute Bronchitis and Bronchiolitis	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.6	2.4	5.5	0.0
Pneumonia and Influenza	28.0	16.9	1.8	0.0	0.7	1.3	4.8	5.6	23.8	82.7	422.3	1,903.2
Pneumonia	27.2	13.5	1.8	0.0	0.7	1.3	4.8	5.6	23.0	80.3	405.8	1,870.2
Influenza	0.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	16.5	33.0
Chronic Obstructive Pulmonary Diseases	48.4	0.0	0.0	0.0	0.0	1.3	2.2	6.8	88.7	305.7	872.0	1,023.1
Bronchitis, Chronic and Unspecified	1.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.8	4.8	30.2	44.0
Emphysema	9.4	0.0	0.0	0.0	0.0	0.0	0.0	1.2	16.4	77.9	150.8	132.0
Asthma	2.1	0.0	0.0	0.0	0.0	1.0	1.1	3.1	5.7	7.2	19.2	44.0
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	35.6	0.0	0.0	0.0	0.0	0.0	1.1	2.5	65.7	215.8	671.8	803.1
Ulcer of Stomach and Duodenum	2.3	0.0	0.0	0.0	0.0	0.0	0.0	1.9	4.9	9.6	30.2	110.0
Appendicitis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.6	2.4	21.9	66.0
Chronic Liver Disease and Cirrhosis	10.8	0.0	0.0	0.0	0.0	1.9	11.8	18.0	37.0	49.2	57.6	33.0
Cholelithiasis and Other Disorders of Gallbladder	1.3	0.0	0.0	0.0	0.4	0.0	0.4	0.0	1.6	2.4	24.7	77.0
Nephritis, Nephrotic Syndrome, and Nephrosis	4.4	0.0	0.0	0.0	0.4	0.0	1.8	1.9	8.2	24.0	54.8	143.0
Acute Glomerulonephritis, Nephrotic Syndrome	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	2.7	0.0
Other Specified Renal Disease	1.5	0.0	0.0	0.0	0.4	0.0	0.4	0.0	2.5	9.6	16.5	55.0
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	2.8	0.0	0.0	0.0	0.0	0.0	1.1	1.9	5.7	14.4	35.6	88.0
Infections of Kidney	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.7	11.0
Hyperplasia of Prostate	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	11.0	22.0
Complications of Pregnancy, Childbirth, and the Puerperium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pregnancy with Abortive Outcome	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Complications of Pregnancy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Congenital Anomalies	6.0	213.2	7.4	2.5	1.1	0.0	1.5	3.7	0.0	7.2	0.0	22.0
Certain Conditions Originating in Perinatal Period	7.2	399.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	1.6	91.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Perinatal Conditions	5.5	307.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Symptoms, Signs, Ill-Defined Conditions	8.0	260.5	0.0	0.4	0.4	2.6	1.5	4.3	6.6	10.8	16.5	110.0
Accidents and Adverse Effects	44.5	10.2	12.9	13.2	56.5	58.0	37.5	40.3	37.8	49.2	175.5	352.0
Motor Vehicle Accidents	22.5	6.8	2.8	5.8	43.0	32.5	20.2	17.4	15.6	18.0	35.6	44.0
All Other Accidents and Adverse Effects	22.0	3.4	10.2	7.4	13.5	25.5	17.3	23.0	22.2	31.2	139.9	308.0
Suicide	28.1	0.0	0.0	1.7	31.1	38.3	32.4	36.6	27.9	48.0	90.5	22.0
Homicide and Legal Intervention	7.9	13.5	2.8	0.4	8.6	14.5	10.7	6.8	6.6	3.6	2.7	11.0
All Other External Causes	2.7	0.0	0.0	0.0	1.9	6.8	3.3	1.9	1.6	2.4	2.7	11.0

Rates are deaths per 100,000 population in each age group.

Table 61. Female Deaths by 72 Selected Causes by Age Group: Colorado Residents, 1988

Cause of Death/ICD9 Code		Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes		10,255	204	30	41	142	197	273	437	1,019	1,815	2,813	3,284
Shigellosis and Amebiasis	004,006	0	0	0	0	0	0	0	0	0	0	0	0
Certain Other Intestinal Infections	007-009	3	1	0	0	0	0	0	0	0	0	1	1
Tuberculosis	010-018	4	0	0	0	0	1	0	1	0	0	1	1
Of Respiratory System	010-012	4	0	0	0	0	1	0	1	0	0	1	1
Other Tuberculosis	013-018	0	0	0	0	0	0	0	0	0	0	0	0
Whooping Cough	033	0	0	0	0	0	0	0	0	0	0	0	0
Strep Sore Throat, Scarlatina, Erysipelas	034-035	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal Infection	036	2	0	0	0	2	0	0	0	0	0	0	0
Septicemia	038	109	4	1	1	2	0	5	5	9	15	27	40
Human Immunodeficiency Virus Infection	042-044	5	0	0	0	0	1	1	0	1	2	0	0
Acute Poliomyelitis	045	0	0	0	0	0	0	0	0	0	0	0	0
Measles	055	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hepatitis	070	9	0	0	0	0	0	0	0	5	2	2	0
Syphilis	090-097	0	0	0	0	0	0	0	0	0	0	0	0
All Other Infectious, Parasitic Diseases	(001-139)	33	1	0	1	0	1	0	2	4	5	11	8
Malignant Neoplasms, All Sites	140-208	2,149	0	6	3	11	30	96	198	445	566	525	269
Of Lip, Oral Cavity, and Pharynx	140-149	27	0	0	0	0	0	1	1	7	9	6	3
Of Digestive Organs and Peritoneum	150-159	556	0	0	0	1	5	10	26	93	145	175	101
Of Respiratory and Intrathoracic Organs	160-165	389	0	0	0	0	1	6	38	106	129	84	25
Of Breast	174-175	447	0	0	0	0	6	42	61	109	102	78	49
Of Genital Organs	179-187	228	0	0	0	0	0	18	27	46	61	55	21
Of Urinary Organs	188-189	72	0	0	0	0	0	2	2	8	16	29	15
Other and Unspecified Sites	170-173,190-199	230	0	2	2	4	9	10	29	45	58	42	29
Leukemia	204-208	72	0	3	1	5	1	5	6	11	17	12	11
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	200-203	128	0	1	0	1	8	2	8	20	29	44	15
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	210-239	30	0	0	0	0	3	0	1	7	7	4	8
Diabetes Mellitus	250	215	1	0	0	0	9	13	5	25	52	66	44
Nutritional Deficiencies	260-269	37	0	0	0	0	0	0	0	0	2	5	30
Anemias	280-285	25	0	0	1	1	1	1	0	0	2	6	13
Meningitis	320-322	10	2	3	1	0	0	0	0	1	1	0	2
Major Cardiovascular Diseases	390-448	4,429	3	3	0	9	19	41	92	290	653	1,396	1,923
Diseases of Heart	390-398,402,404-429	3,183	2	3	0	5	9	26	72	234	502	1,012	1,318
Rheumatic Fever and Rheumatic Heart Disease	390-398	77	0	0	0	0	0	2	5	9	20	23	18
Hypertensive Heart Disease	402	82	0	0	0	0	0	2	3	2	12	27	36
Hypertensive Heart and Renal Disease	404	17	0	0	0	0	0	0	0	0	3	6	8
Ischemic Heart Disease	410-414	2,173	0	1	0	0	4	10	48	163	358	702	887
Acute Myocardial Infarction	410	908	0	0	0	0	2	5	30	92	179	300	300
Other Acute and Subacute Forms of Ischemic Heart Disease	411	14	0	0	0	0	0	0	1	1	4	3	5
Angina Pectoris	413	3	0	0	0	0	0	0	0	1	0	1	1
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	412,414	1,248	0	1	0	0	2	5	17	69	175	398	581
Other Diseases of Endocardium	424	67	0	0	0	0	0	0	0	4	9	27	27
All Other Heart Disease	415-423,425-429	767	2	2	0	5	5	12	16	56	100	227	342
Hypertension with or without Renal Disease	401,403	56	0	0	0	0	0	0	0	7	11	14	24
Cerebrovascular Diseases	430-438	857	1	0	0	3	10	14	12	37	105	295	380
Intracerebral and Other Intracranial Hemorrhage	431-432	115	0	0	0	2	3	4	4	7	20	47	28
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	434.0,434.9	91	1	0	0	0	0	1	0	5	11	35	38
Cerebral Embolism	434.1	9	0	0	0	0	0	1	0	0	2	3	3

Cause of Death/ICD9 Code		Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases	430,433,435-438	642	0	0	0	1	7	8	8	25	72	210	311
Atherosclerosis	440	232	0	0	0	0	0	0	3	2	17	40	170
Other Diseases of Arteries, Arterioles, and Capillaries	441-448	101	0	0	0	1	0	1	5	10	18	35	31
Acute Bronchitis and Bronchiolitis	446	1	0	0	0	0	0	0	0	0	1	0	0
Pneumonia and Influenza	480-487	524	3	0	2	1	3	6	6	11	48	146	298
Pneumonia	480-486	502	3	0	2	1	3	6	6	11	47	142	281
Influenza	487	22	0	0	0	0	0	0	0	0	1	4	17
Chronic Obstructive Pulmonary Diseases	490-496	498	0	0	0	2	4	3	9	51	171	176	82
Bronchitis, Chronic and Unspecified	490-491	12	0	0	0	0	1	0	0	0	5	4	2
Emphysema	492	82	0	0	0	0	0	0	1	14	31	26	10
Asthma	493	54	0	0	0	2	2	2	4	8	7	17	12
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	494-496	350	0	0	0	0	1	1	4	29	128	129	58
Ulcer of Stomach and Duodenum	531-533	45	0	0	0	0	1	0	1	2	7	15	19
Appendicitis	540-543	3	0	0	0	0	0	0	0	0	2	1	0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	550-553,560	40	0	0	0	0	0	0	0	4	2	13	21
Chronic Liver Disease and Cirrhosis	571	98	0	0	0	0	5	12	21	22	20	16	2
Cholelithiasis and Other Disorders of Gallbladder	574-575	18	0	0	0	0	0	0	0	1	3	7	7
Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	73	1	0	0	0	0	0	1	6	12	25	28
Acute Glomerulonephritis, Nephrotic Syndrome	580-581	1	0	0	0	0	0	0	0	0	0	0	1
Other Specified Renal Disease	582-583,587	16	0	0	0	0	0	0	1	2	2	6	5
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause.	584-586,588-589	56	1	0	0	0	0	0	0	4	10	19	22
Infections of Kidney	590	14	0	0	0	0	0	0	1	1	0	3	9
Hyperplasia of Prostate	600	0	0	0	0	0	0	0	0	0	0	0	0
Complications of Pregnancy, Childbirth, and the Puerperium	630-676	5	0	0	0	0	3	2	0	0	0	0	0
Pregnancy with Abortive Outcome	630-638	2	0	0	0	0	1	1	0	0	0	0	0
Other Complications of Pregnancy	640-676	3	0	0	0	0	2	1	0	0	0	0	0
Congenital Anomalies	740-759	86	47	7	2	1	4	2	2	8	4	3	6
Certain Conditions Originating in Perinatal Period	760-769	80	80	0	0	0	0	0	0	0	0	0	0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	767-769	12	12	0	0	0	0	0	0	0	0	0	0
Other Perinatal Conditions	760-766,770-779	68	68	0	0	0	0	0	0	0	0	0	0
Symptoms, Signs, Ill-Defined Conditions	780-799	84	41	2	0	2	0	3	1	3	9	10	13
Accidents and Adverse Effects	E800-E949	395	3	5	21	63	54	30	29	27	34	52	77
Motor Vehicle Accidents	E810-E825	190	1	2	17	54	41	17	21	15	10	7	5
All Other Accidents and Adverse Effects	E800-E807,E826-E949	205	2	3	4	9	13	13	8	12	24	45	72
Suicide	E950-E959	136	0	0	1	24	25	28	16	17	18	5	2
Homicide and Legal Intervention	E960-E978	61	6	2	4	14	14	9	5	2	4	1	0
All Other External Causes	E980-E999	25	0	0	0	4	8	4	6	1	0	1	1

Table 62. Female Death Rates for 72 Selected Causes of Death by Age Group: Colorado Residents, 1988

Cause of Death	Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes	617.8	733.4	29.1	17.8	56.4	65.9	102.3	268.6	761.9	1,763.4	4,756.5	14,433.3
Shigellosis and Amebiasis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Certain Other Intestinal Infections	0.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.4
Tuberculosis	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0	0.0	1.7	4.4
Of Respiratory System	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0	0.0	1.7	4.4
Other Tuberculosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Whooping Cough	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Strep Sore Throat, Scarlatina, Erysipelas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal Infection	0.1	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Septicemia	6.6	14.4	1.0	0.4	0.8	0.0	1.9	3.1	6.7	14.6	45.7	175.8
Human Immunodeficiency Virus Infection	0.3	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.7	1.9	0.0	0.0
Acute Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viral Hepatitis	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.9	3.4	0.0
Syphilis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Other Infectious, Parasitic Diseases	2.0	3.6	0.0	0.4	0.0	0.3	0.0	1.2	3.0	4.9	18.6	35.2
Malignant Neoplasms, All Sites	129.5	0.0	5.8	1.3	4.4	10.0	36.0	121.7	332.7	549.9	887.7	1,182.3
Of Lip, Oral Cavity, and Pharynx	1.6	0.0	0.0	0.0	0.0	0.0	0.4	0.6	5.2	8.7	10.1	13.2
Of Digestive Organs and Peritoneum	33.5	0.0	0.0	0.0	0.4	1.7	3.7	16.0	69.5	140.9	295.9	443.9
Of Respiratory and Intrathoracic Organs	23.4	0.0	0.0	0.0	0.0	0.3	2.2	23.4	79.3	125.3	142.0	109.9
Of Breast	26.9	0.0	0.0	0.0	0.0	2.0	15.7	37.5	81.5	99.1	131.9	215.4
Of Genital Organs	13.7	0.0	0.0	0.0	0.0	0.0	6.7	16.6	34.4	59.3	93.0	92.3
Of Urinary Organs	4.3	0.0	0.0	0.0	0.0	0.0	0.7	1.2	6.0	15.5	49.0	65.9
Other and Unspecified Sites	13.9	0.0	1.9	0.9	1.6	3.0	3.7	17.8	33.6	56.3	71.0	127.5
Leukemia	4.3	0.0	2.9	0.4	2.0	0.3	1.9	3.7	8.2	16.5	20.3	48.3
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	7.7	0.0	1.0	0.0	0.4	2.7	0.7	4.9	15.0	28.2	74.4	65.9
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	1.8	0.0	0.0	0.0	0.0	1.0	0.0	0.6	5.2	6.8	6.8	35.2
Diabetes Mellitus	13.0	3.6	0.0	0.0	0.0	3.0	4.9	3.1	18.7	50.5	111.6	193.4
Nutritional Deficiencies	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	8.5	131.9
Anemias	1.5	0.0	0.0	0.4	0.4	0.3	0.4	0.0	0.0	1.9	10.1	57.1
Meningitis	0.6	7.2	2.9	0.4	0.0	0.0	0.0	0.0	0.7	1.0	0.0	8.8
Major Cardiovascular Diseases	266.8	10.8	2.9	0.0	3.6	6.4	15.4	56.5	216.8	634.4	2,360.5	8,451.6
Diseases of Heart	191.7	7.2	2.9	0.0	2.0	3.0	9.7	44.3	175.0	487.7	1,711.2	5,792.6
Rheumatic Fever and Rheumatic Heart Disease	4.6	0.0	0.0	0.0	0.0	0.0	0.7	3.1	6.7	19.4	38.9	79.1
Hypertensive Heart Disease	4.9	0.0	0.0	0.0	0.0	0.0	0.7	1.8	1.5	11.7	45.7	158.2
Hypertensive Heart and Renal Disease	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	10.1	35.2
Ischemic Heart Disease	130.9	0.0	1.0	0.0	0.0	1.3	3.7	29.5	121.9	347.8	1,187.0	3,898.4
Acute Myocardial Infarction	54.7	0.0	0.0	0.0	0.0	0.7	1.9	18.4	68.8	173.9	507.3	1,318.5
Other Acute and Subacute Forms of Ischemic Heart Disease	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	3.9	5.1	22.0
Angina Pectoris	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.7	4.4
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	75.2	0.0	1.0	0.0	0.0	0.7	1.9	10.4	51.6	170.0	673.0	2,553.5
Other Diseases of Endocardium	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	8.7	45.7	118.7
All Other Heart Disease	46.2	7.2	1.9	0.0	2.0	1.7	4.5	9.8	41.9	97.2	383.8	1,503.1
Hypertension with or without Renal Disease	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	10.7	23.7	105.5
Cerebrovascular Diseases	51.6	3.6	0.0	0.0	1.2	3.3	5.2	7.4	27.7	102.0	498.8	1,670.1
Intracerebral and Other Intracranial Hemorrhage	6.9	0.0	0.0	0.0	0.8	1.0	1.5	2.5	5.2	19.4	79.5	123.1
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	5.5	3.6	0.0	0.0	0.0	0.0	0.4	0.0	3.7	10.7	59.2	167.0
Cerebral Embolism	0.5	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	1.9	5.1	13.2

Cause of Death	Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases	38.7	0.0	0.0	0.0	0.4	2.3	3.0	4.9	18.7	70.0	355.1	1,366.9
Atherosclerosis	14.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.5	16.5	67.6	747.2
Other Diseases of Arteries, Arterioles, and Capillaries	6.1	0.0	0.0	0.0	0.4	0.0	0.4	3.1	7.5	17.5	59.2	136.2
Acute Bronchitis and Bronchiolitis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Pneumonia and Influenza	31.6	10.8	0.0	0.9	0.4	1.0	2.2	3.7	8.2	46.6	246.9	1,309.7
Pneumonia	30.2	10.8	0.0	0.9	0.4	1.0	2.2	3.7	8.2	45.7	240.1	1,235.0
Influenza	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.8	74.7
Chronic Obstructive Pulmonary Diseases	30.0	0.0	0.0	0.0	0.8	1.3	1.1	5.5	38.1	166.1	297.6	360.4
Bronchitis, Chronic and Unspecified	0.7	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	4.9	6.8	8.8
Emphysema	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.6	10.5	30.1	44.0	44.0
Asthma	3.3	0.0	0.0	0.0	0.8	0.7	0.7	2.5	6.0	6.8	28.7	52.7
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	21.1	0.0	0.0	0.0	0.0	0.3	0.4	2.5	21.7	124.4	218.1	254.9
Ulcer of Stomach and Duodenum	2.7	0.0	0.0	0.0	0.0	0.3	0.0	0.6	1.5	6.8	25.4	83.5
Appendicitis	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.7	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.9	22.0	92.3
Chronic Liver Disease and Cirrhosis	5.9	0.0	0.0	0.0	0.0	1.7	4.5	12.9	16.5	19.4	27.1	8.8
Cholelithiasis and Other Disorders of Gallbladder	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.9	11.8	30.8
Nephritis, Nephrotic Syndrome, and Nephrosis	4.4	3.6	0.0	0.0	0.0	0.0	0.0	0.6	4.5	11.7	42.3	123.1
Acute Glomerulonephritis, Nephrotic Syndrome	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
Other Specified Renal Disease	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.5	1.9	10.1	22.0
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	3.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	3.0	9.7	32.1	96.7
Infections of Kidney	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0	5.1	39.6
Hyperplasia of Prostate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium	0.3	0.0	0.0	0.0	0.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0
Pregnancy with Abortive Outcome	0.1	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0
Other Complications of Pregnancy	0.2	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.0	0.0
Congenital Anomalies	5.2	169.0	6.8	0.9	0.4	1.3	0.7	1.2	6.0	3.9	5.1	26.4
Certain Conditions Originating in Perinatal Period	4.8	287.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	0.7	43.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Perinatal Conditions	4.1	244.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Symptoms, Signs, Ill-Defined Conditions	5.1	147.4	1.9	0.0	0.8	0.0	1.1	0.6	2.2	8.7	16.9	57.1
Accidents and Adverse Effects	23.8	10.8	4.8	9.1	25.0	18.1	11.2	17.8	20.2	33.0	87.9	338.4
Motor Vehicle Accidents	11.4	3.6	1.9	7.4	21.5	13.7	6.4	12.9	11.2	9.7	11.8	22.0
All Other Accidents and Adverse Effects	12.3	7.2	2.9	1.7	3.6	4.3	4.9	4.9	9.0	23.3	76.1	316.4
Suicide	8.2	0.0	0.0	0.4	9.5	8.4	10.5	9.8	12.7	17.5	8.5	8.8
Homicide and Legal Intervention	3.7	21.6	1.9	1.7	5.6	4.7	3.4	3.1	1.5	3.9	1.7	0.0
All Other External Causes	1.5	0.0	0.0	0.0	1.6	2.7	1.5	3.7	0.7	0.0	1.7	4.4

Rates are deaths per 100,000 population in each age group.

Deaths by Race and Cause

Counts of deaths from selected causes by age group and sex are presented in Table 63 for white, Hispanic, and black residents of Colorado in 1988. Hispanic data in this table are based on deaths with white race, Spanish origin reported on the death certificate. While this category most closely approximates that of the U.S. Census Bureau for Hispanics, death counts for Hispanics appear to be low because of inconsistent reporting of ethnic origin.

Colorado's general mortality statistics are driven by the experience of the large white, non-Hispanic population in the state. A comparison of the rankings of leading causes of death in 1988 clearly indicates the differences in mortality patterns among these race groups in the state.

	White/Non-Hispanic		White/Hispanic		Black
1	Heart Disease	1	Heart Disease	1	Heart Disease
2	Malignant Neoplasms	2	Malignant Neoplasms	2	Malignant Neoplasms
3	COPD	3	Accidents	3	Accidents
4	Cerebrovascular Diseases	4	Cerebrovascular Diseases	3	Homicide
5	Accidents	5	Pneumonia and Influenza	4	Cerebrovascular Diseases
6	Pneumonia & Influenza	6	Diabetes	4	COPD
7	Suicide	7	Chronic Liver/Cirrhosis	5	Pneumonia and Influenza

Rankings of leading causes of death for non-Hispanic whites were nearly the same as for Colorado as a whole, an exception being COPD ranking third instead of cerebrovascular diseases. However, considerable differences in mortality patterns existed for Hispanics and blacks. Heart disease and malignant neoplasms ranked first and second for all three groups. Accidents ranked higher among both blacks and Hispanics than among non-Hispanic whites. Diabetes and chronic liver disease and cirrhosis ranked higher among Hispanics than the other groups.

A comparison of crude death rates for whites (including Hispanics of white race) and blacks reflects differences in age distribution, with whites representing an older population. The death rate for all causes for whites was 655.1 per 100,000 population, compared with 566.8 for blacks. Death rates for whites were higher for heart disease (200.5 vs. 144.5), malignant neoplasms (136.7 vs. 122.9), cerebrovascular diseases (41.2 vs. 22.4), pneumonia and influenza (30.6 vs. 19.2). Suicide rates for whites and blacks were similar at 18.2 for whites and 16.0 for blacks. Crude death rates for diabetes were higher for blacks at 19.2, compared with 11.0 for whites.

The greatest differences between crude death rates for whites and blacks appear among homicides. The black homicide rate in 1988 was 31.1, over six times higher than the white rate of 4.8. Homicide rates were considerably higher for both sexes among blacks. Homicide ranked as the third leading cause of death for Colorado blacks in 1988, tied with accidents.

Table 63. Deaths from Selected Causes by Race, Sex and Age Group: Colorado Residents, 1988

Total Deaths	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
White/Non-Hispanic														
Total Deaths	19,045	393	52	40	47	162	190	583	674	918	2,195	4,061	5,210	4,520
Heart Disease	5,903	11	1	1	1	2	9	28	101	234	660	1,281	1,812	1,762
Malignant Neoplasms	4,035	3	8	5	6	8	5	56	130	307	808	1,245	1,031	423
Cerebrovascular Diseases	1,200	3	0	1	0	0	4	10	19	28	60	171	429	475
Chronic Obstructive Pulmonary Diseases	1,217	0	0	0	0	2	0	6	5	15	145	408	474	162
Total Accidents	935	5	16	19	26	85	88	187	106	72	62	65	106	98
Motor Vehicle	454	3	4	10	15	68	67	114	57	43	28	19	19	7
All Other	481	2	12	9	11	17	21	73	49	29	34	46	87	91
Pneumonia and Influenza	892	6	2	1	1	2	0	5	11	9	31	113	266	445
Suicide	524	0	0	1	4	38	57	116	103	66	46	55	34	4
Diabetes	292	0	1	0	0	0	0	13	15	17	35	70	87	54
Atherosclerosis	334	0	0	0	0	0	0	0	0	4	4	30	81	215
Chronic Liver Disease and Cirrhosis	211	0	0	0	0	0	0	8	30	32	49	56	31	5
Homicide	112	5	4	3	1	7	10	33	22	12	8	5	1	1
Septicemia	170	7	0	2	0	0	1	2	6	5	18	24	48	57
White/Hispanic														
Total Deaths	1,367	70	11	0	7	21	43	97	86	138	180	221	290	203
Heart Disease	343	0	1	0	0	0	3	2	4	26	52	82	92	81
Malignant Neoplasms	224	0	0	0	0	0	2	4	19	34	44	48	56	17
Cerebrovascular Diseases	83	1	0	0	0	1	0	3	3	8	6	15	33	13
Chronic Obstructive Pulmonary Diseases	42	0	0	0	0	0	0	1	2	2	7	10	10	10
Total Accidents	128	1	2	0	3	11	19	36	14	15	6	6	5	10
Motor Vehicle	70	0	1	0	3	9	17	21	7	4	2	4	0	2
All Other	58	1	1	0	0	2	2	15	7	11	4	2	5	8
Pneumonia and Influenza	60	1	0	0	0	0	1	2	4	2	5	3	23	19
Suicide	44	0	0	0	0	4	4	16	7	6	4	2	1	0
Diabetes	50	0	0	0	0	0	0	0	1	3	12	17	11	6
Atherosclerosis	16	0	0	0	0	0	0	0	0	0	2	3	3	8
Chronic Liver Disease and Cirrhosis	49	0	0	0	0	0	0	3	8	14	14	4	6	0
Homicide	37	2	1	0	0	3	9	12	7	1	1	1	0	0
Septicemia	16	1	0	0	0	0	0	0	2	0	3	4	4	2
Black														
Total Deaths	710	37	3	5	2	12	15	48	56	71	132	128	124	77
Heart Disease	181	0	0	0	0	0	0	3	5	28	35	33	50	27
Malignant Neoplasms	154	0	0	0	0	0	1	2	8	17	44	45	22	15
Cerebrovascular Diseases	28	0	0	0	0	0	0	1	4	0	6	8	5	4
Chronic Obstructive Pulmonary Diseases	28	0	0	0	0	0	0	1	2	3	7	6	8	1
Total Accidents	39	0	0	1	2	2	7	5	8	4	2	3	4	1
Motor Vehicle	21	0	0	0	2	2	4	2	6	1	2	1	1	0
All Other	18	0	0	1	0	0	3	3	2	3	0	2	3	1
Pneumonia and Influenza	24	0	0	0	0	0	0	0	4	2	4	0	9	5
Suicide	20	0	0	0	0	2	1	8	4	2	1	0	2	0
Diabetes	24	1	0	0	0	0	0	2	3	3	4	8	3	0
Atherosclerosis	6	0	0	0	0	0	0	0	0	1	0	1	2	2
Chronic Liver Disease and Cirrhosis	9	0	0	0	0	0	0	0	3	2	4	0	0	0
Homicide	39	3	0	1	0	4	4	14	7	3	1	1	1	0
Septicemia	9	0	1	0	0	0	1	1	0	2	1	2	1	0

Table 63, Continued.

Male Deaths	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
White/Non-Hispanic														
Total Deaths	9,768	239	31	25	31	109	131	429	468	555	1,313	2,420	2,620	1,397
Heart Disease	2,973	9	0	1	1	2	5	19	79	177	463	825	883	509
Malignant Neoplasms	2,077	3	2	3	5	3	2	29	54	133	410	723	538	172
Cerebrovascular Diseases	414	2	0	1	0	0	2	3	9	18	30	83	158	108
Chronic Obstructive Pulmonary Diseases	744	0	0	0	0	0	0	3	4	9	98	244	303	83
Total Accidents	603	3	11	14	16	60	60	145	85	50	37	34	60	28
Motor Vehicle	302	2	2	6	7	46	44	83	47	25	15	9	13	3
All Other	301	1	9	8	9	14	16	62	38	25	22	25	47	25
Pneumonia and Influenza	401	4	2	0	0	1	0	4	9	4	23	66	134	154
Suicide	396	0	0	1	3	29	43	94	77	50	29	38	30	2
Diabetes	124	0	1	0	0	0	0	6	5	13	18	37	30	14
Atherosclerosis	115	0	0	0	0	0	0	0	0	2	3	15	44	51
Chronic Liver Disease and Cirrhosis	135	0	0	0	0	0	0	5	22	20	32	36	17	3
Homicide	79	2	3	0	1	4	7	24	19	8	7	2	1	1
Septicemia	75	3	0	1	0	0	0	2	2	1	12	12	25	17
White/Hispanic														
Total Deaths	814	42	6	0	3	18	28	69	55	95	112	122	154	110
Heart Disease	199	0	0	0	0	0	2	2	3	20	31	54	46	41
Malignant Neoplasms	118	0	0	0	0	0	1	2	6	20	21	25	35	8
Cerebrovascular Diseases	41	1	0	0	0		0	1	2	6	4	8	15	4
Chronic Obstructive Pulmonary Diseases	27	0	0	0	0	0	0	0	1	0	7	4	7	8
Total Accidents	89	0	2	0	0	11	11	26	10	12	5	5	3	4
Motor Vehicle	45	0	1	0	0	9	9	13	4	3	1	4	0	1
All Other	44	0	1	0	0	2	2	13	6	9	4	1	3	3
Pneumonia and Influenza	41	1	0		0	0	1	0	1	2	3	3	15	15
Suicide	41	0	0	0	0	4	3	15	7	6	4	1	1	0
Diabetes	21	0	0	0	0	0	0	0	0	2	7	4	5	3
Atherosclerosis	8	0	0	0	0	0	0	0	0	0	1	1	1	5
Chronic Liver Disease and Cirrhosis	34	0	0	0	0	0	0	1	7	8	10	4	4	0
Homicide	26	2	0	0	0	2	6	9	6	0	0	1	0	0
Septicemia	7	1	0	0	0	0	0	0	1	0	1	1	1	2
Black														
Total Deaths	382	19	1	2	0	8	10	40	32	48	78	70	52	22
Heart Disease	93	0	0	0	0	0	0	3	2	19	22	21	19	7
Malignant Neoplasms	88	0	0	0	0	0	1	2	2	11	25	27	13	7
Cerebrovascular Diseases	8	0	0	0	0	0	0	0	2	0	3	2	1	0
Chronic Obstructive Pulmonary Diseases	19	0	0	0	0	0	0	1	1	2	3	5	6	1
Total Accidents	25	0	0	1	0	2	6	5	6	2	2	1	0	0
Motor Vehicle	15	0	0	0	0	2	4	2	4	0	2	1	0	0
All Other	10	0	0	1	0	0	2	3	2	2	0	0	0	0
Pneumonia and Influenza	14	0	0	0	0	0	0	0	3	2	3	0	4	2
Suicide	18	0	0	0	0	2	1	7	4	2	1	0	1	0
Diabetes	9	0	0	0	0	0	0	0	1	3	2	2	1	0
Atherosclerosis	2	0	0	0	0	0	0	0	0	0	0	1	1	0
Chronic Liver Disease and Cirrhosis	4	0	0	0	0	0	0	0	1	0	3	0	0	0
Homicide	24	0	0	0	0	3	1	12	4	3	1	0	0	0
Septicemia	4	0	0	0	0	0	0	1	0	1	0	2	0	0

Female Deaths	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
White/Non-Hispanic														
Total Deaths	9,277	154	21	15	16	53	59	154	206	363	882	1,641	2,590	3,123
Heart Disease	2,930	2	1	0	0	0	4	9	22	57	197	456	929	1,253
Malignant Neoplasms	1,958	0	6	2	1	5	3	27	76	174	398	522	493	251
Cerebrovascular Diseases	786	1	0	0	0	0	2	7	10	10	30	88	271	367
Chronic Obstructive Pulmonary Diseases	473	0	0	0	0	2	0	3	1	6	47	164	171	79
Total Accidents	332	2	5	5	10	25	28	42	21	22	25	31	46	70
Motor Vehicle	152	1	2	4	8	22	23	31	10	18	13	10	6	4
All Other	180	1	3	1	2	3	5	11	11	4	12	21	40	66
Pneumonia and Influenza	491	2	0	1	1	1	0	1	2	5	8	47	132	291
Suicide	128	0	0	0	1	9	14	22	26	16	17	17	4	2
Diabetes	168	0	0	0	0	0	0	7	10	4	17	33	57	40
Atherosclerosis	219	0	0	0	0	0	0	0	0	2	1	15	37	164
Chronic Liver Disease and Cirrhosis	76	0	0	0	0	0	0	3	8	12	17	20	14	2
Homicide	33	3	1	3	0	3	3	9	3	4	1	3	0	0
Septicemia	95	4	0	1	0	0	1	0	4	4	6	12	23	40
White/Hispanic														
Total Deaths	553	28	5	0	4	3	15	28	31	43	68	99	136	93
Heart Disease	144	0	1	0	0	0	1	0	1	6	21	28	46	40
Malignant Neoplasms	106	0	0	0	0	0	1	2	13	14	23	23	21	9
Cerebrovascular Diseases	42	0	0	0	0	1	0	2	1	2	2	7	18	9
Chronic Obstructive Pulmonary Diseases	15	0	0	0	0	0	0	1	1	2	0	6	3	2
Total Accidents	39	1	0	0	3	0	8	10	4	3	1	1	2	6
Motor Vehicle	25	0	0	0	3	0	8	8	3	1	1	0	0	1
All Other	14	1	0	0	0	0	0	2	1	2	0	1	2	5
Pneumonia and Influenza	19	0	0	0	0	0	0	2	3	0	2	0	8	4
Suicide	3	0	0	0	0	0	1	1	0	0	0	1	0	0
Diabetes	29	0	0	0	0	0	0	0	1	1	5	13	6	3
Atherosclerosis	8	0		0	0	0	0	0	0	0	1	2	2	3
Chronic Liver Disease and Cirrhosis	15	0	0	0	0	0	0	2	1	6	4	0	2	0
Homicide	11	0	1	0	0	1	3	3	1	1	1	0	0	0
Septicemia	9	0	0	0	0	0	0	0	1	0	2	3	3	0
Black														
Total Deaths	328	18	2	3	2	4	5	8	24	23	54	58	72	55
Heart Disease	88	0	0	0	0	0	0	0	3	9	13	12	31	20
Malignant Neoplasms	66	0	0	0	0	0	0	0	6	6	19	18	9	8
Cerebrovascular Diseases	20	0	0	0	0	0	0	1	2	0	3	6	4	4
Chronic Obstructive Pulmonary Diseases	9	0	0	0	0	0	0	0	1	1	4	1	2	0
Total Accidents	14	0	0	0	2	0	1	0	2	2	0	2	4	1
Motor Vehicle	6	0	0	0	2	0	0	0	2	1	0	0	1	0
All Other	8	0	0	0	0	0	1	0	0	1	0	2	3	1
Pneumonia and Influenza	10	0	0	0	0	0	0	0	1	0	1	0	5	3
Suicide	2	0	0	0	0	0	0	1	0	0	0	0	1	0
Diabetes	15	1	0	0	0	0	0	2	2	0	2	6	2	0
Atherosclerosis	4	0	0	0	0	0	0	0	0	1	0	0	1	2
Chronic Liver Disease and Cirrhosis	5	0	0	0	0	0	0	0	2	2	1	0	0	0
Homicide	15	3	0	1	0	1	3	2	3	0	0	1	1	0
Septicemia	5	0	1	0	0	0	1	0	0	1	1	0	1	0

Heart Disease

Heart disease claimed the lives of 6,466 Coloradans in 1988, 30.3 percent of all deaths. The crude death rate for heart disease stood at 195.9 deaths per 100,000, compared with 193.3 in 1987. The state's heart disease death rate decreased 11.1 percent between 1980 and 1988.

The male heart disease death rate of 200.0 continued to exceed the female rate of 191.7 in 1988, but by a smaller margin than in 1987 when rates were 203.7 for males and 183.1 for females.

Colorado's heart disease death rate was lower than that for the United States as a whole, which was 312.2 in 1988. The state's age-adjusted heart disease death rate also was lower than that for the nation. Low heart disease mortality has long been characteristic of Colorado vital statistics.

Seventy-two percent of all heart disease deaths in 1988 were from ischemic heart disease, which involves damage to the muscle tissues of the heart as a result of inadequate blood supply. In most cases the cause of ischemic heart disease is coronary atherosclerosis, which occurs as coronary arteries narrow and harden from accumulations of fat, cholesterol and other substances. Blood moves with difficulty through narrow arteries, with an increased chance of blockage that results in acute myocardial infarctions, or heart attacks.

Ischemic heart disease caused 4,679 deaths in 1988, with 2,166 from acute myocardial infarctions and 2,476 as a result of old myocardial infarctions and other forms of chronic ischemic heart disease. Fatal acute myocardial infarctions occurred more often among males than females, with 38.3 percent of male heart disease deaths and 28.5 percent of female heart disease deaths caused by heart attacks.

Hypertensive heart disease caused 135 deaths in 1988, followed by other diseases of the endocardium, which include heart valve disorders and endocarditis, with 128 deaths. Rheumatic fever and rheumatic heart disease killed 127 Coloradans. Heart disease death rates for all specific types tend to increase with age.

Cardiovascular diseases of all types accounted for 4 of every 10 deaths in Colorado in 1988. These diseases, which pertain to to the heart and blood vessels and include heart disease, cerebrovascular disease, atherosclerosis and hypertension, claimed the lives of 8,517 Coloradans for a rate of 258.0. As with heart disease, the state's cardiovascular disease death rate was lower than the U.S. rate, which stood at 385.5 in 1988.

Malignant Neoplasms

One in five deaths in Colorado is caused by malignant neoplasms. Malignant neoplasms killed 4,446 Coloradans in 1988 for a crude death rate of 134.7 per 100,000 population. Cancer death rates have remained nearly unchanged in the last decade.

Colorado's death rate for malignant neoplasms remains lower than that for the United States, which was 198.6 in 1988. Age-adjusted death rates also are lower in Colorado than in the nation as a whole.

The malignant neoplasm death rate for males of 139.9 exceeded that for females, which was 129.5. Among age groups with relatively large numbers of deaths, rates were higher for men aged 55 and older than for females. Female rates were higher than male rates among ages 35-54.

Malignant neoplasms of the lung, trachea and bronchus were the most frequently reported fatal cancers in 1988. Lung cancer caused 1,037 deaths in the state in 1988 and would rank as the sixth leading cause of death if considered separately. Male deaths from malignant neoplasms of the lung totaled 660, for a rate of 40.2. Female deaths totaled 377, for a rate of 22.7.

Malignant neoplasms of the colon and rectum followed with 515 deaths, 231 male and 284 female. The death rate for colon and rectal cancer was 15.6. The male death rate was 14.1 and the female rate was 17.1. Malignant neoplasms of the female breast caused 477 deaths in 1988, for a female death rate of 26.9. Female breast cancer continues to be the leading cause of death from cancer for women. Malignant neoplasms of the prostate killed 313 Colorado males, at a rate of 19.1.

Deaths from malignant neoplasms of other sites and types included the following in 1988: pancreas, 246; leukemia, 176; ovary, 131; brain 123, including 3 for cerebral meninges and 3 for spinal cord; stomach, 117; bladder, 108; kidney, 86; esophagus, 85; liver and intrahepatic (including not specified as primary or secondary), 80; melanoma of skin, 73; cervix uteri, 45; tongue, 21; larynx, 20; uterus, 19.

Cerebrovascular Diseases

As the third-leading cause of death, cerebrovascular diseases killed 1,324 Coloradans in 1988, at a rate of 40.1 deaths per 100,000 population. The crude death rate for cerebrovascular diseases has remained nearly constant since 1983 after increases in the 1970s and early 1980s. The U.S. death rate for cerebrovascular diseases was 61.1 in 1988.

Age-adjusted death rates are more comparable, but Colorado's rate of 23.0 in 1988 was still lower than the U.S. age-adjusted rate of 29.8. Age-adjusted death rates for cerebrovascular diseases have decreased slightly in both Colorado and the nation since 1983.

Male death rates for cerebrovascular diseases are lower than those for women. The state rate of 28.5 for males in 1988 was exceeded by the female rate of 51.6. Greater numbers of women in older age groups, where cerebrovascular diseases have the highest death rates, are partly responsible for the discrepancy. Also, death rates for these diseases tend to be higher for women than for men among older age groups.

Acute but ill-defined cerebrovascular disease, which includes strokes, claimed 738, over half of the total 1,324 cerebrovascular disease deaths in 1988. Intracranial hemorrahage (including subarachnoid, intracerebral and other intracranial hemorrhages) caused 281 deaths, and occlusion of cerebral and precerebral arteries caused 169 deaths.

Chronic Obstructive Pulmonary Diseases (COPD)

Chronic obstructive pulmonary diseases, which include emphysema, chronic bronchitis, asthma and other obstructive lung disorders, increased in rank to become the fourth-leading cause of death in Colorado in 1987. The death rate continued to increase in 1988. COPD killed 1,293 Coloradans in 1988 for a rate of 39.2 deaths per 100,000 population, an increase from 37.8 in 1987.

Higher death rates in Colorado than in the United States as a whole have typified COPD death statistics for many years. In 1988, the U.S. death rate was 33.3. In contrast with experience among other chronic diseases, age-adjusted death rates for COPD emphasize the difference between state and national rates. In 1988, Colorado's age-adjusted death rate of 27.8 was 45 percent higher than the U.S. rate of 19.2.

The Colorado male death rate of 48.4 in 1988 compares with a female rate of 30.0. Male death rates are considerably higher than female rates among most age groups, especially among the older populations. An exception is asthma, rates for which are higher among women than men. As with other chronic diseases, COPD death rates increase with age.

Seven of ten COPD deaths in Colorado were from chronic airways obstructions with entries such as obstructive lung disease noted on the death certificates. These deaths totaled 924. Emphysema caused 236 deaths, asthma 89 deaths and bronchitis (chronic and unspecified) 33 deaths. Colorado death rates for all COPDs exceed those of the nation as a whole.

Deaths from Injuries (Accidents, Suicide, Homicide, Injuries of Undetermined Intent)

Injuries of all types killed 1,982 Coloradans in 1988. When unintetNional and intentional injuries are counted together, injury ranks as the third-leading cause of death. The Colorado death rate for all injuries was 60.0 in 1988.

Colorado injury deaths in 1988 are detailed in Table 64, which shows deaths from selected injury causes by age and sex. Males accounted for 7 in 10 injury deaths and accounted for greater proportions of deaths than females among nearly all injury types. The male injury death rate of 83.2 was over twice as high as the female rate of 37.2.

Accidents and adverse effects (unintentional injuries) caused over half of all injury deaths in 1988. Accidents killed 1,125 Coloradans for a death rate of 34.1 per 100,000 population. Motor vehicle accidents accounted for 559 of these deaths. The motor vehicle accident death rate was 16.9. All other accidents claimed 566 lives at a rate of 17.1.

Suicides totalled 598 for a rate of 18.1. Homicide and legal intervention took 190 lives at a rate of 5.8. Injury deaths with an undetermined intent totaled 68, for a rate of 2.1.

Accidents and Adverse Effects

Colorado's accident death rate of 34.1 in 1988 was the lowest ever in the state, and continued to be lower than that for the United States as a whole. The U.S. accident death rate was 39.0 in 1988. Age-adjusted death rates for the state also were lower than U.S. rates, 30.5 versus 35.1 in 1988.

Accident death rates were highest among Coloradans aged 75 and older in 1988, largely as a result of falls. Motor vehicle accident death rates were highest among ages 15-24, but were nearly as high among ages 85 and older.

Of the total 559 motor vehicle accident deaths in 1988, 428 were to motor vehicle occupants, 55 were to pedestrians, 48 were to motorcyclists and 9 were to bicyclists. Aircraft deaths totaled 36.

Among non-transportation deaths, 181 Coloradans died from falls in 1988. Poisoning claimed 83 lives (including 15 from alcohol, 13 from local anesthetics, which are primarily cocaine, 12 from opiates, and 10 from gases and vapors. Because of variability of reporting and complexity of coding drug and alcohol poisoning deaths, these counts must be considered to represent only a portion of total deaths from these causes. Drownings totaled 54, deaths from fires and burns totaled 29 (excluding 2 deaths from scalds), aspiration 37, being struck by falling objects 13, firearms 13, machinery 12, excessive cold 7, electric current 5, lightning 4 and explosion 4.

Suicide

Colorado's suicide rate exceeded that of the United States in 1988, continuing a trend that extends back as far as data are available. Colorado suicides totaled 598 in 1988, for a rate of 18.1. By comparison, the U.S. suicide rate was 12.3. The state's suicide rate has remained steady for many years.

Colorado's age-adjusted suicide rate of 17.3 in 1988 was over one-and-a-half times greater than the U.S. rate of 11.3. Rates in the state generally are higher among all age-and-sex groups than in the nation.

Suicide remains largely a male phenomenon. Three-fourths of Colorado suicides in 1988 were male. The male suicide rate of 28.1, based on 462 deaths, compares with a rate of 8.2 and 136 deaths among females. Suicide rates are highest among the elderly in both Colorado and the nation.

After relatively low rates in 1987, Colorado teen suicide was at the the second-highest point ever in 1988 with 49 deaths under age 20 and a suicide rate of 17.8 deaths per 100,000 population aged 15-19. In 1986, the most recent year for which comparable data are available, the U.S. suicide rate for ages 15-19 was 10.2. Forty-four of the state's teen suicides were aged 15-19, and 5 were younger than 15.

Firearms were the method used in 346 of the total 598 Colorado suicides in 1988. Poisoning by gases and vapors, primarily motor vehicle exhaust gas, was used in 99 suicides, followed by poisoning by solid and liquid substances (e.g. tranquillizers) in 73, hanging, strangulations and suffocation in 65, jumping or lying before moving object in 4, cutting and piercing instruments in 3, jumping from a high place in 2, and burns or fire, drowning, and electrocution in one each.

Homicide and Legal Intervention

Homicide and legal intervention were responsible for 190 deaths to Colorado residents in 1988. Of these, 182 deaths were homicides and 8 were from legal intervention. The death rate for homicide and legal intervention in Colorado was 5.8 per 100,000 population. The U.S. rate of 9.0 was higher, as in past years.

As with other injury deaths, homicide rates were higher for males than females in 1988, 7.9 versus 3.7. Infant homicide rates were higher than those for any other age group. As already noted, homicide and legal intervention ranked third (tied with accidents) as the leading cause of death among Colorado blacks in 1988. One in eighteen deaths to black residents of Colorado was from homicide in 1988

Eighty-nine of the total 182 homicides in 1988 were from assault by firearms. Assault by cutting and piercing instruments were reported for 38 homicides, hanging and strangulation for 19, unarmed fight or brawl for 3, child battering and other maltreatment for 3, being struck by a blunt or thrown object for 1 and criminal neglect for 1. In addition, 11 homicides were reported with other specified means and 16 were reported with unspecified means on the death certificate. All 8 deaths from legal intervention were from firearms.

Nature of Injury

Underlying cause-of-death statistics report the circumstances of the accident or violence that produced the fatal injury. Thus all International Classification of Disease codes and categories used in this discussion have been for external causes of death rather than the actual injuries (e.g. fractures, open wounds) involved. Information on the nature of injuries reported on death certificates does exist, however, and offers a means of assessing the types of injuries suffered in comparison to the external circumstances that caused them. Table 65 shows the nature of injuries as contributory causes of death in Colorado in 1988, crosstabulated by underlying cause of death.

In the International Classification of Disease system used for coding death certificate entries, nature-of-injury codes (N-codes) are differentiated from external cause-of-death codes (E-codes). In 1988, a total of 2,553 deaths had injuries reported, down from 2,668 in 1987. Intracranial injury (excluding skull fracture) was mentioned for 620 deaths, followed by the effects of poisoning (551 mentions), open wounds (516), traumatic complications and unspecified injuries, including traumatic shock (426), fractures, dislocations, sprains and strains (386), internal injury of chest, abdomen and pelvis (316), and complications of medical care (307).

Over half (54.4 percent) of motor vehicle accident deaths had head injuries (excluding skull fractures) reported. Traumatic complications were noted in 43.8 percent, and internal injuries of chest, abdomen and pelvis were mentioned in 36.0 percent of motor vehicle accident deaths. Open wounds were reported in 57.7 percent of suicides, reflecting the use of firearms, followed by effects of poisoning at 40.0 percent. Open wounds were reported in 71.1 percent of homicides.

Place of Incident for Injury Deaths

Deaths from selected injury causes by place of incident appear in Table 66. Nearly half of all injury deaths where place of incident was reported occurred in the home, large numbers of transportation-related injury deaths notwithstanding. Three-fourths of suicides and half of homicides were reported for the home.

Readers interested in injury statistics for Colorado may consult the report Injury in Colorado - Baseline Analysis for additional information. This report, produced by the Health Statistics Section and Injury Control Program of the Colorado Department of Health, contains injury morbidity and mortality data from several sources in the state through the year 1987. Updates are planned.

Table 64. Deaths from Selected Injury Causes by Age and Sex: Colorado Residents, 1988

External Cause of Death	ICD9 E-Code		Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Injuries (Total)	800-999	T	1,982	16	24	26	37	162	205	466	299	194	137	142	158	116
		M	1,365	7	17	16	21	121	141	365	228	138	90	86	99	36
		F	617	9	7	10	16	41	64	101	71	56	47	56	59	80
Unintentional Injuries (Total)	800-949	T	1,125	6	19	21	32	98	116	234	132	94	73	75	116	109
		M	730	3	14	15	17	73	78	180	102	65	46	41	64	32
		F	395	3	5	6	15	25	38	54	30	29	27	34	52	77
Transportation (Total)	800-848	T	616	3	5	13	21	85	93	154	89	55	39	28	22	9
		M	417	2	3	8	8	62	61	111	69	33	23	18	15	4
		F	199	1	2	5	13	23	32	43	20	22	16	10	7	5
Motor Vehicle-Traffic (Total)	810-819	T	540	2	4	10	19	75	89	139	71	47	33	24	19	8
		M	353	1	2	6	6	54	57	99	54	26	19	14	12	3
		F	187	1	2	4	13	21	32	40	17	21	14	10	7	5
Motor Vehicle-Train	810	T	7	0	0	0	0	0	0	3	0	0	1	3	0	0
		M	4	0	0	0	0	0	0	2	0	0	0	2	0	0
		F	3	0	0	0	0	0	0	1	0	0	1	1	0	0
Motor Vehicle Occupant	810-819 (.0,.1,.9)	T	428	2	2	5	14	67	72	112	52	38	27	18	14	5
		M	262	1	0	2	4	47	44	76	35	20	14	10	9	0
		F	166	1	2	3	10	20	28	36	17	18	13	8	5	5
Motorcyclist	810-819 (.2,.3)	T	48	0	1	0	0	5	11	19	11	1	0	0	0	0
		M	41	0	1	0	0	4	9	16	11	0	0	0	0	0
		F	7	0	0	0	0	1	2	3	0	1	0	0	0	0
Bicyclist	810-819 (.6)	T	9	0	0	3	0	1	1	1	2	0	0	0	0	1
		M	8	0	0	2	0	1	1	1	2	0	0	0	0	1
		F	1	0	0	1	0	0	0	0	0	0	0	0	0	0
Pedestrian	810-819 (.7)	T	55	0	1	2	5	2	5	7	6	8	6	6	5	2
		M	42	0	1	2	2	2	3	6	6	6	5	4	3	2
		F	13	0	0	0	3	0	2	1	0	2	1	2	2	0
Pedestrian-Nontraffic	822.7	T	5	1	0	0	0	1	0	0	0	0	1	1	0	1
		M	3	1	0	0	0	0	0	0	0	0	0	1	0	1
		F	2	0	0	0	0	1	0	0	0	0	1	0	0	0
Pedestrian-Train	805.2	T	4	0	0	0	0	1	1	1	0	0	0	0	1	0
		M	4	0	0	0	0	1	1	1	0	0	0	0	1	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aircraft	840-845	T	36	0	0	2	0	3	2	8	13	5	1	1	1	0
		M	29	0	0	2	0	2	2	6	10	4	1	1	1	0
		F	7	0	0	0	0	1	0	2	3	1	0	0	0	0
Drowning (Total)	830,832,910	T	54	2	9	5	1	5	9	10	6	2	2	3	0	0
		M	41	0	7	4	1	5	7	8	5	1	2	1	0	0
		F	13	2	2	1	0	0	2	2	1	1	0	2	0	0
Boat-Related	830,832	T	10	0	0	0	0	2	0	2	3	0	2	1	0	0
		M	10	0	0	0	0	2	0	2	3	0	2	1	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Boat	910	T	44	2	9	5	1	3	9	8	3	2	0	2	0	0
		M	31	0	7	4	1	3	7	6	2	1	0	0	0	0
		F	13	2	2	1	0	0	2	2	1	1	0	2	0	0
Recreational	910 (.0,.1,.2)	T	9	0	0	1	0	1	2	4	1	0	0	0	0	0
		M	8	0	0	1	0	1	2	3	1	0	0	0	0	0
		F	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Bathtub	910.4	T	6	1	0	0	0	0	1	1	1	1	0	1	0	0
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	6	1	0	0	0	0	1	1	1	1	0	1	0	0
Poisoning (Total)	850-869	T	83	0	0	0	2	1	6	32	10	15	5	5	7	0
		M	64	0	0	0	2	0	3	27	9	13	3	3	4	0
		F	19	0	0	0	0	1	3	5	1	2	2	2	3	0
Solids/Liquids (Total)	850-866	T	73	0	0	0	2	0	6	26	10	14	4	4	7	0
		M	57	0	0	0	2	0	3	23	9	12	2	2	4	0
		F	16	0	0	0	0	0	3	3	1	2	2	2	3	0
Opiates	850.0	T	12	0	0	0	0	0	0	7	2	3	0	0	0	0
		M	10	0	0	0	0	0	0	5	2	3	0	0	0	0
		F	2	0	0	0	0	0	0	2	0	0	0	0	0	0

External Cause of Death	ICD9 E-Code		Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Barbiturates	851	T	2	0	0	0	0	0	0	0	0	1	0	0	1	0
		M	1	0	0	0	0	0	0	0	0	1	0	0	0	0
		F	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Tranquilizers	853	T	1	0	0	0	0	0	0	0	0	0	0	0	1	0
		M	1	0	0	0	0	0	0	0	0	0	0	0	1	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Local Anesthetics Including Cocaine	855.2	T	13	0	0	0	0	0	5	8	0	0	0	0	0	0
		M	11	0	0	0	0	0	3	8	0	0	0	0	0	0
		F	2	0	0	0	0	0	2	0	0	0	0	0	0	0
Alcohol	860	T	15	0	0	0	0	0	0	4	3	7	0	1	0	0
		M	15	0	0	0	0	0	0	4	3	7	0	1	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas/Vapor (Total)	867-869	T	10	0	0	0	0	1	0	6	0	1	1	1	0	0
		M	7	0	0	0	0	0	0	4	0	1	1	1	0	0
		F	3	0	0	0	0	1	0	2	0	0	0	0	0	0
Motor Vehicle Exhaust	868.2	T	4	0	0	0	0	1	0	3	0	0	0	0	0	0
		M	2	0	0	0	0	0	0	2	0	0	0	0	0	0
		F	2	0	0	0	0	1	0	1	0	0	0	0	0	0
Falls (Total)	880-888	T	181	0	1	1	0	5	3	6	3	6	9	21	50	76
		M	79	0	0	1	0	4	3	5	2	5	5	10	22	22
		F	102	0	1	0	0	1	0	1	1	1	4	11	28	54
Stairs	880	T	14	0	0	0	0	0	1	1	0	1	3	2	3	3
		M	4	0	0	0	0	0	1	0	0	0	0	1	1	1
		F	10	0	0	0	0	0	0	1	0	1	3	1	2	2
Ladder/Scaffold	881	T	4	0	1	0	0	0	0	0	0	1	0	1	1	0
		M	3	0	0	0	0	0	0	0	0	1	0	1	1	0
		F	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Building/Structure	882	T	9	0	0	1	0	2	1	1	2	2	0	0	0	0
		M	9	0	0	1	0	2	1	1	2	2	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Different Level	884	T	25	0	0	0	0	3	0	4	1	0	1	2	5	9
		M	13	0	0	0	0	2	0	4	0	0	1	0	4	2
		F	12	0	0	0	0	1	0	0	1	0	0	2	1	7
Same Level	885	T	11	0	0	0	0	0	0	0	0	0	1	4	1	5
		M	5	0	0	0	0	0	0	0	0	0	1	3	0	1
		F	6	0	0	0	0	0	0	0	0	0	0	1	1	4
Other/Unspecified	883,886-888	T	118	0	0	0	0	0	1	0	0	2	4	12	40	59
		M	45	0	0	0	0	0	1	0	0	2	3	5	16	18
		F	73	0	0	0	0	0	0	0	0	0	1	7	24	41
Fires and Burns (Total)	890-899,924	T	31	0	2	0	0	0	1	6	4	2	0	5	8	3
		M	20	0	2	0	0	0	1	5	3	1	0	1	6	1
		F	11	0	0	0	0	0	0	1	1	1	0	4	2	2
Fires/Burns Excluding Scalds	890-899	T	29	0	2	0	0	0	1	6	4	2	0	5	7	2
		M	20	0	2	0	0	0	1	5	3	1	0	1	6	1
		F	9	0	0	0	0	0	0	1	1	1	0	4	1	1
Housefires	890	T	15	0	2	0	0	0	1	2	3	1	0	3	3	0
		M	10	0	2	0	0	0	1	2	2	0	0	0	3	0
		F	5	0	0	0	0	0	0	0	1	1	0	3	0	0
Clothing Ignition	893	T	3	0	0	0	0	0	0	0	0	0	0	1	1	1
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	3	0	0	0	0	0	0	0	0	0	0	1	1	1
Scalds/Caustic Substances/Hot Objects	924	T	2	0	0	0	0	0	0	0	0	0	0	0	1	1
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	2	0	0	0	0	0	0	0	0	0	0	0	1	1
Other Unintentional	(Residual)	T	147	1	2	1	8	4	4	28	20	14	16	10	19	20
		M	110	1	2	1	6	4	3	26	16	12	13	8	13	5
		F	37	0	0	0	2	0	1	2	4	2	3	2	6	15

Table 64, Continued.

External Cause of Death	ICD9 E-Code		Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Firearm	922	T	13	0	0	0	3	1	1	2	4	0	2	0	0	0
		M	13	0	0	0	3	1	1	2	4	0	2	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excessive Heat	900	T	1	0	0	0	0	0	0	0	0	0	0	1	0	0
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Excessive Cold	901	T	7	0	0	0	0	0	0	0	1	2	1	0	2	1
		M	3	0	0	0	0	0	0	0	1	2	0	0	0	0
		F	4	0	0	0	0	0	0	0	0	0	1	0	2	1
Exposure, Neglect	904	T	5	0	0	0	0	0	0	0	0	0	2	0	0	3
		M	2	0	0	0	0	0	0	0	0	0	1	0	0	1
		F	3	0	0	0	0	0	0	0	0	0	1	0	0	2
Lightning	907	T	4	0	0	0	1	0	0	2	0	1	0	0	0	0
		M	3	0	0	0	0	0	0	2	0	1	0	0	0	0
		F	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Natural Disaster	908-909	T	4	0	0	0	0	0	0	2	2	0	0	0	0	0
		M	2	0	0	0	0	0	0	2	0	0	0	0	0	0
		F	2	0	0	0	0	0	0	0	2	0	0	0	0	0
Aspiration-Food	911	T	9	0	0	0	0	1	0	1	2	0	2	0	2	1
		M	6	0	0	0	0	1	0	1	2	0	1	0	1	0
		F	3	0	0	0	0	0	0	0	0	0	1	0	1	1
Aspiration-Nonfood	912	T	28	0	0	0	0	0	0	3	0	2	1	2	10	10
		M	12	0	0	0	0	0	0	2	0	0	1	1	7	1
		F	16	0	0	0	0	0	0	1	0	2	0	1	3	9
Suffocation	913	T	8	1	1	0	1	1	0	2	0	1	1	0	0	0
		M	8	1	1	0	1	1	0	2	0	1	1	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Struck by Falling Object	916	T	13	0	1	0	1	0	0	4	1	2	2	2	0	0
		M	13	0	1	0	1	0	0	4	1	2	2	2	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collision with Object or Person	917	T	3	0	0	0	0	1	0	2	0	0	0	0	0	0
		M	2	0	0	0	0	1	0	1	0	0	0	0	0	0
		F	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Caught/Crushed	918	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Machinery	919	T	12	0	0	0	0	0	0	4	3	2	2	1	0	0
		M	12	0	0	0	0	0	0	4	3	2	2	1	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cutting/Piercing	920	T	1	0	0	0	1	0	0	0	0	0	0	0	0	0
		M	1	0	0	0	1	0	0	0	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Explosion	923	T	4	0	0	0	0	0	0	1	1	1	0	0	1	0
		M	4	0	0	0	0	0	0	1	1	1	0	0	1	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electric Current	925	T	5	0	0	1	0	0	1	2	1	0	0	0	0	0
		M	5	0	0	1	0	0	1	2	1	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Intentional Injuries (Total)	950-969	T	788	10	5	5	5	58	86	203	154	91	61	65	40	5
		M	591	4	3	1	4	44	62	164	117	70	42	43	34	3
		F	197	6	2	4	1	14	24	39	37	21	19	22	6	2
Suicide (Total)	950-959	T	598	0	0	1	4	44	63	144	116	75	51	58	38	4
		M	462	0	0	1	3	35	48	119	88	59	34	40	33	2
		F	136	0	0	0	1	9	15	25	28	16	17	18	5	2
Firearm	955	T	346	0	0	0	3	24	39	81	62	42	29	40	25	1
		M	300	0	0	0	3	23	36	70	51	37	22	33	24	1
		F	46	0	0	0	0	1	3	11	11	5	7	7	1	0
Non-Firearm (Total)	950-954, 956-959	T	252	0	0	1	1	20	24	63	54	33	22	18	13	3
		M	162	0	0	1	0	12	12	49	37	22	12	7	9	1
		F	90	0	0	0	1	8	12	14	17	11	10	11	4	2

External Cause of Death	ICD9 E-Code		Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Poison Solids/Liquids	950	T	73	0	0	0	0	7	7	8	15	13	8	10	4	1
		M	33	0	0	0	0	2	1	6	10	7	3	2	2	0
		F	40	0	0	0	0	5	6	2	5	6	5	8	2	1
Motor Vehicle Exhaust	952.0	T	84	0	0	0	0	7	7	25	16	13	7	5	3	1
		M	56	0	0	0	0	5	3	18	11	10	3	3	3	0
		F	28	0	0	0	0	2	4	7	5	3	4	2	0	1
Hanging/Strangulation/Suffocation	953	T	65	0	0	1	1	5	7	20	15	3	6	1	5	1
		M	53	0	0	1	0	4	7	17	12	2	5	1	3	1
		F	12	0	0	0	1	1	0	3	3	1	1	0	2	0
Drowning	954	T	1	0	0	0	0	1	0	0	0	0	0	0	0	0
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	1	0	0	0	0	1	0	0	0	0	0	0	0	0
Cutting/Piercing	956	T	3	0	0	0	0	0	0	0	2	1	0	0	0	0
		M	2	0	0	0	0	0	0	0	1	1	0	0	0	0
		F	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Jumping	957	T	2	0	0	0	0	1	0	0	0	0	0	1	0	0
		M	1	0	0	0	0	1	0	0	0	0	0	0	0	0
		F	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Homicide (Total)	960-969	T	182	10	5	4	1	13	22	55	37	15	10	7	2	1
		M	121	4	3	0	1	8	13	41	28	10	8	3	1	1
		F	61	6	2	4	0	5	9	14	9	5	2	4	1	0
Firearm	965	T	89	0	2	3	0	8	9	34	13	9	6	5	0	0
		M	61	0	2	0	0	6	7	26	10	5	4	1	0	0
		F	28	0	0	3	0	2	2	8	3	4	2	4	0	0
Non-Firearm	960-964, 966-969	T	93	10	3	1	1	5	13	21	24	6	4	2	2	1
		M	60	4	1	0	1	2	6	15	18	5	4	2	1	1
		F	33	6	2	1	0	3	7	6	6	1	0	0	1	0
Cutting/Stabbing	966	T	38	0	0	0	0	2	5	14	10	4	1	1	1	0
		M	32	0	0	0	0	2	5	10	9	3	1	1	1	0
		F	6	0	0	0	0	0	0	4	1	1	0	0	0	0
Strangulation	963	T	19	3	1	0	0	2	5	3	4	0	0	0	1	0
		M	4	1	0	0	0	0	1	2	0	0	0	0	0	0
		F	15	2	1	0	0	2	4	1	4	0	0	0	1	0
Other	960-962,964, 967-969	T	36	7	2	1	1	1	3	4	10	2	3	1	0	1
		M	23	3	1	0	1	0	0	3	8	2	3	1	0	1
		F	13	4	1	1	0	1	3	1	2	0	0	0	0	0
Legal Intervention-Firearm	970	T	8	0	0	0	0	1	1	4	1	1	0	0	0	0
		M	8	0	0	0	0	1	1	4	1	1	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Undetermined Intent (Total)	980-989	T	68	0	0	0	0	6	3	29	13	9	3	1	2	2
		M	43	0	0	0	0	4	1	21	9	3	2	1	1	1
		F	25	0	0	0	0	2	2	8	4	6	1	0	1	1
Firearm	985	T	4	0	0	0	0	1	1	1	1	0	0	0	0	0
		M	2	0	0	0	0	1	0	0	1	0	0	0	0	0
		F	2	0	0	0	0	0	1	1	0	0	0	0	0	0
Poison Solid/Liquid	980	T	37	0	0	0	0	2	0	20	9	6	0	0	0	0
		M	24	0	0	0	0	1	0	16	5	2	0	0	0	0
		F	13	0	0	0	0	1	0	4	4	4	0	0	0	0
Motor Vehicle Exhaust	982.0	T	3	0	0	0	0	0	0	0	2	0	1	0	0	0
		M	3	0	0	0	0	0	0	0	2	0	1	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hanging/Strangulation/Suffocation	983	T	2	0	0	0	0	0	1	1	0	0	0	0	0	0
		M	1	0	0	0	0	0	1	0	0	0	0	0	0	0
		F	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Drowning	984	T	1	0	0	0	0	0	0	1	0	0	0	0	0	0
		M	1	0	0	0	0	0	0	1	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 65. Nature of Injuries Reported on Death Certificates as Contributory Causes or Other/Significant Conditions by Selected Underlying Cause Categories: Colorado Residents, 1988

Nature of Injury	ICD9 N-Code	Underlying Cause of Death											
		All Causes		All Diseases (001-799)		Motor Vehicle Accidents (E810-E825)		Non-Transportation Accidents (E850-E949)		Suicide (E950-E959)		Homicide, Legal Intervention (E960-E978)	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Injuries and Poisonings	800-999	2,553	12.0	581	3.0	557	99.6	508	99.8	594	99.3	187	98.4
Fractures, Dislocations, Sprains, Strains	800-848	386	1.8	136	0.7	113	20.2	120	23.6	5	0.8	5	2.6
Intracranial Injury, Excl. Skull Fracture	850-854	620	2.9	16	0.1	304	54.4	88	17.3	138	23.1	50	26.3
Internal Injury of Chest, Abdomen, Pelvis	860-869	316	1.5	3	0.0	201	36.0	35	6.9	20	3.3	33	17.4
Open Wound	870-897	516	2.4	4	0.0	5	0.9	18	3.5	345	57.7	135	71.1
Injury to Blood Vessels	900-904	40	0.2	0	0.0	24	4.3	6	1.2	4	0.7	5	2.6
Late Effects of Injury, Poisoning	905-909	41	0.2	24	0.1	0	0.0	14	2.8	1	0.2	1	0.5
Superficial Injury, Contusion	910-929	27	0.1	2	0.0	14	2.5	9	1.8	1	0.2	1	0.5
Effects of Foreign Body Entering through Orifice	930-939	164	0.8	107	0.6	4	0.7	44	8.6	3	0.5	1	0.5
Burns	940-949	24	0.1	2	0.0	3	0.5	16	3.1	2	0.3	0	0.0
Injury to Nerves, Spinal Cord	950-957	24	0.1	2	0.0	11	2.0	4	0.8	2	0.3	3	1.6
Traumatic Complications, Unspecified Injuries	958-959	426	2.0	12	0.1	245	43.8	90	17.7	21	3.5	31	16.3
Poisoning, Effects of External Causes	960-995	551	2.6	29	0.2	14	2.5	185	36.3	239	40.0	22	11.6
Complications of Medical Care	996-999	307	1.4	270	1.4	2	0.4	34	6.7	1	0.2	0	0.0
Total Deaths		21,312	-	19,330	-	559	-	509	-	598	-	190	-

Columns will not add to total deaths because more than one nature-of-injury category may be reported for the same death. Rows will not add to total for ``All Causes'' because some underlying cause categories are excluded.

Table 66. Deaths from Selected Injury Causes by Place of Incident: Colorado Residents, 1988

External Cause	ICD9 E-Code	Total	PLACE									
			Home	Farm, Ranch	Mine, Quarry	Industrial Site	Recreation Site	Street, Highway, Sidewalk	Public Bldg	Resident Institution	Other Specified Place	Unspecified or Unknown
All Injuries (Total)	800-999	1,982	737	16	5	19	41	511	46	45	173	389
Unintentional Injuries (Total)	800-949	1,125	162	13	4	16	31	460	20	33	77	309
Transportation (Total)	800-848	616	4	6	0	3	12	442	1	0	43	105
Motor Vehicle-Traffic (Total)	810-819	540	1	1	0	0	0	439	0	0	12	87
Motor Vehicle-Train	810	7	0	0	0	0	0	7	0	0	0	0
Motor Vehicle Occupant	810-819 (.0,.1,.9)	428	1	1	0	0	0	344	0	0	11	71
Motorcyclist	810-819 (.2,.3)	48	0	0	0	0	0	41	0	0	1	6
Bicyclist	810-819(.6)	9	0	0	0	0	0	8	0	0	0	1
Pedestrian	810-819(.7)	55	0	0	0	0	0	46	0	0	0	9
Pedestrian-Nontraffic	822.7	5	2	0	0	0	1	0	0	0	2	0
Pedestrian-Train	805.2	4	0	0	0	1	0	2	0	0	0	1
Aircraft	840-845	36	0	2	0	0	0	0	1	0	22	11
Drowning (Total)	830,832,910	54	13	1	1	0	17	0	0	1	12	9
Boat-related	830,832	10	0	0	0	0	7	0	0	0	0	3
Non-Boat	910	44	13	1	1	0	10	0	0	1	12	6
Recreational	910 (.0,.1,.2)	9	1	0	1	0	3	0	0	0	1	3
Bathtub	910.4	6	5	0	0	0	0	0	0	1	0	0
Poisoning (Total)	850-869	83	40	0	0	1	0	4	6	3	1	28
Solids/Liquids (Total)	850-866	73	34	0	0	0	0	3	6	3	1	26
Opiates	850.0	12	7	0	0	0	0	0	0	2	0	3
Barbiturates	851	2	1	0	0	0	0	0	0	0	0	1
Tranquilizers	853	1	0	0	0	0	0	0	0	0	0	1
Local Anesthetics Including Cocaine	855.2	13	7	0	0	0	0	2	2	1	0	1
Alcohol	860	15	5	0	0	0	0	0	0	0	1	9
Gas/Vapor (Total)	867-869	10	6	0	0	1	0	1	0	0	0	2
Motor Vehicle Exhaust	868.2	4	2	0	0	0	0	1	0	0	0	1
Falls (Total)	880-888	181	48	1	0	3	4	6	6	26	5	82
Stairs	880	14	8	0	0	0	0	1	2	0	0	3
Ladder/Scaffold	881	4	3	0	0	0	0	0	0	0	1	0
Building/Structure	882	9	3	0	0	2	0	1	1	0	0	2
Different Level	884	25	3	1	0	1	3	0	0	3	4	10
Same Level	885	11	4	0	0	0	0	0	1	2	0	4
Other/Unspecified	883,886-888	118	27	0	0	0	1	4	2	21	0	63
Fires and Burns (Total)	890-899,924	31	27	0	0	0	0	0	0	0	2	2
Fires/Burns Excluding Scalds	890-899	29	25	0	0	0	0	0	0	0	2	2
Housefires	890	15	14	0	0	0	0	0	0	0	0	1
Clothing Ignition	893	3	3	0	0	0	0	0	0	0	0	0
Scalds/Caustic Substances/Hot Objects	924	2	2	0	0	0	0	0	0	0	0	0
Other Unintentional	(Residual)	147	29	5	3	9	5	8	7	2	14	65
Firearm	922	13	8	0	0	0	0	1	0	0	3	1
Excessive Heat	900	1	0	0	0	0	0	0	0	0	0	1
Excessive Cold	901	7	1	1	0	0	0	2	0	0	0	3
Exposure, Neglect	904	5	0	0	0	0	0	0	0	0	0	5
Lightning	907	4	0	1	1	0	1	0	0	0	1	0
Natural Disaster	908-909	4	0	0	0	0	1	0	0	0	3	0
Aspiration-Food	911	9	2	0	0	1	0	1	2	1	0	2
Aspiration-Nonfood	912	28	1	0	0	0	0	0	0	0	0	27

Table 66, Continued.

External Cause	ICD9 E-Code	Total	Home	Farm, Ranch	Mine, Quarry	Industrial Site	Recreation Site	Street, Highway, Sidewalk	Public Bldg	Resident Institution	Other Specified Place	Unspecified or Unknown
Suffocation	913	8	5	0	0	0	0	0	0	0	1	2
Struck by Falling Object	916	13	5	2	1	2	0	1	0	0	1	1
Collision with Object or Person	917	3	0	0	0	0	1	0	0	0	2	0
Caught/Crushed	918	0	0	0	0	0	0	0	0	0	0	0
Machinery	919	12	2	1	1	2	1	0	2	0	1	2
Cutting/Piercing	920	1	1	0	0	0	0	0	0	0	0	0
Explosion	923	4	1	0	0	3	0	0	0	0	0	0
Electric Current	925	5	3	0	0	0	0	1	1	0	0	0
Intentional Injuries (Total)	950-970	788	534	3	1	3	10	47	23	12	91	64
Suicide (Total)	950-959	598	437	2	0	3	8	27	8	10	69	34
Firearm	955	346	263	1	0	1	6	15	3	2	37	18
Non-Firearm (Total)	950-954, 956-959	252	174	1	0	2	2	12	5	8	132	16
Poison Solids/ Liquids	950	73	55	0	0	0	1	3	3	0	8	3
Motor Vehicle Exhaust	952.0	84	57	0	0	0	0	5	0	0	16	6
Hanging/Strangulation/Suffocation	953	65	48	1	0	1	0	1	1	8	3	2
Drowning	954	1	0	0	0	0	0	1	0	0	0	0
Cutting/Piercing	956	3	3	0	0	0	0	0	0	0	0	0
Jumping	957	2	1	0	0	0	0	1	0	0	0	0
Homicide (Total)	960-969	182	95	1	1	0	1	18	15	2	19	30
Firearm	965	89	55	1	0	0	0	12	5	1	6	9
Non-Firearm	960-964, 966-969	93	40	0	1	0	1	6	10	1	13	21
Cutting/Stabbing	966	38	22	0	0	0	0	3	6	0	5	2
Strangulation	963	19	6	0	1	0	0	0	2	0	3	7
Other	960-962,964 967-969	36	12	0	0	0	1	3	2	1	5	12
Legal Intervention - Firearms	970	8	2	0	0	0	1	2	0	0	3	0
Undetermined Intent (Total)	980-989	68	41	0	0	0	0	4	3	0	5	15
Firearm	985	4	2	0	0	0	0	0	1	0	0	1
Poison Solid/Liquid	980	37	25	0	0	0	0	2	1	0	2	7
Motor Vehicle Exhaust	982.0	3	3	0	0	0	0	0	0	0	0	0
Hanging/Strangulation/ Suffocation	983	2	2	0	0	0	0	0	0	0	0	0
Drowning	984	1	1	0	0	0	0	0	0	0	0	0

Subcategories are not comprehensive and may not add to total. Motor vehicle-traffic is a subcategory of total motor vehicle appearing elsewhere in this report.

Pneumonia and Influenza

Pneumonia and influenza caused the deaths of 984 Coloradans in 1988, at a rate of 29.8 deaths per 100,000 population. While the state's crude death rate was slightly lower than the U.S. rate of 31.5, age adjusted rates for pneumonia and influenza for the state consistently exceed those for the nation.

Largely because of greater numbers of women than men in older age groups, the female death rate for pneumonia and influenza of 31.6 in 1988 was higher than that for males at 28.0. Male rates actually are higher for each age group. Rates for both sexes increase with age, with pneumonia and influenza ranking as the third leading cause of death among ages 85 and older in 1988.

The great majority of deaths were from pneumonia, which claimed 949 lives in 1988. Influenza was the underlying cause in 35 deaths, up from 22 deaths in 1987.

Other Selected Causes of Death

In addition to the standard leading causes of death and causes listed in tables of 72 selected causes, other diseases and conditions of special interest include the following.

Alzheimer's Disease (ICD9 331.0) - If Alzheimer's disease were included among the standard leading causes of death, it would rank as the fifteenth leading cause of death in Colorado. A total of 180 Colorado resident deaths were reported with Alzheimer's disease as the underlying cause of death in 1988. Numbers of deaths attributed to Alzheimer's disease have increased annually, from 61 deaths in 1983 to 89 in 1984, 119 in 1985, 141 in 1986, 157 in 1987. This increase reflects a growing awareness of the impact of the disease. Deaths predictably are concentrated among the elderly. It is not known how many of the deaths with Alzheimer's disease as the underlying cause relied on clinical findings for the death certificate entries.

Parkinson's Disease (332) - Parkinson's disease claimed the lives of 72 Coloradans in 1988, down from 93 in 1987. Two-thirds (48) were male. Deaths were concentrated among ages 75-84 with 43 deaths, with 16 aged 65-74 and 10 aged 85 and older. Parkinson's disease caused 70 deaths in 1986 and 69 in 1985.

Huntington's Chorea (333.4) - No deaths from Huntington's chorea were reported in 1988, compared with 7 in 1987, 6 in 1986 and 5 in 1985.

Motor Neurone Disease (335.2) - In 1988, 39 Colorado residents died from motor neurone disease, which includes amyotrophic lateral sclerosis, or Lou Gehrig's disease. Twenty-three males and 16 females died. Decedents ranged in age from early forties to late eighties. Deaths totaled 36 in 1987.

Multiple Sclerosis (340) - Multiple sclerosis claimed 33 lives in 1988, 21 female and 12 male. Eleven were aged 55-64, 7 were 65-74, 7 were 35-44, 5 were 45-54, 2 were 85 and older, and 1 was 75-84.

Muscular Dystrophy and other Myopathies (359) - Seven Coloradans died from hereditary progressive muscular dystrophy in 1988, compared with 8 in 1987. Other myopathies (diseases of the muscles) caused an additional 3 deaths in 1988.

Systemic lupus erythematosus (710.0) - Colorado deaths from systemic lupus erythematosus totaled 10 in 1988. Nine were female. Counts were down from the 22 deaths in 1987 and more comparable to the 9 deaths that occurred in 1986 and the 11 deaths in 1985. Eight of the ten deaths in 1988 were to persons aged 65 and older. In addition, there was 1 death from lupus erythematosus (695.4) not specified as disseminated.

Years of Potential Life Lost

With most deaths occurring among older age groups, most death rates are dominated by the disease processes of the elderly. The impact of individual causes of death on a population can be assessed in other ways. An example is the statistic of years of potential life lost (YPLL), which yields a measure of the relative effect of causes of death on premature mortality.

Several methods exist for calculating YPLL. Two are provided here. In the first, YPLL is defined as the number of years of potential life lost by each death occurring before age 65 years of age. An alternative is to calculate YPLL using the total life expectancy for each death. In the life expectancy method for YPLL, the years of life lost by each death is determined by the difference between the age at death and the remaining life expectancy at that age as established by a complete life table.

Table 67 shows YPLL to Colorado residents dying in 1987 and 1988 from selected causes of death. Both methods have been used. Percentages and rates are included. YPLL for both methods were calculated by sex and exact age before summation. Rates for YPLL before age 65 are per 10,000 population less than 65 years of age, while rates for YPLL based on the life expectancy method are per 10,000 population of all ages.

YPLL before Age 65

In 1988 there were 140,252 years of potential life lost before age 65 by Colorado resident deaths from all causes. Both the number of YPLL and YPLL rates for total deaths were lower in 1988 than 1987. Accidents and adverse effects (unintentional injuries) continued to be responsible for the greatest number of YPLL, one-fifth of the total.

When considered individually, motor vehicle accident death ranked first, followed by malignant neoplasms, suicide, heart disease, perinatal period conditions, all other accidents, congenital anomalies, homicide, HIV infections (AIDS), and cerebrovascular diseases. Suicide and cerebrovascular diseases ranked higher in 1988 than the year before. The impact of injuries and conditions apt to kill the very young is apparent in these figures.

YPLL from Life Expectancy

By arriving at YPLL using the life expectancy of each decedent, the relative effects of heart disease and other chronic diseases are more apparent. The ranking of causes of death by YPLL from life expectancy was heart disease, malignant neoplasms, motor vehicle accidents, suicide, all other accidents, COPD, perinatal period conditions, cerebrovascular diseases, congenital anomalies and pneumonia and influenza. YPLL from life expectancy totaled 361,932 in 1988.

Care should be used in comparing YPLL statistics from different sources because these statistics can be calculated in several ways.

Table 67. Years of Potential Life Lost (YPLL) before Age 65 and before Life Expectancy from Leading Causes of Death: Colorado Residents, 1987 and 1988

YPLL before Age 65

Cause of Death	1987 YPLL	1987 Rank	1987 Percent	1987 Rate	1988 YPLL	1988 Rank	1988 Percent	1988 Rate
All Causes	143,821	-	100.0	481.5	140,252	-	100.0	469.4
Accidents (Total Unintentional Injuries)	30,400	(1)	21.1	101.8	27,773	(1)	19.8	93.0
Motor Vehicle	18,935	1	13.2	63.4	17,716	1	12.6	59.3
All Other	11,465	6	8.0	38.4	10,057	6	7.2	33.7
Malignant Neoplasms	18,126	2	12.6	60.7	18,210	2	13.0	61.0
Heart Disease	14,101	3	9.8	47.2	13,405	4	9.6	44.9
Suicide	13,351	4	9.3	44.7	14,621	3	10.4	48.9
Perinatal Conditions	13,000	5	9.0	43.5	12,870	5	9.2	43.1
Congenital Anomalies	10,483	7	7.3	35.1	9,203	7	6.6	30.8
Homicide	6,621	8	4.6	22.2	6,323	8	4.5	21.2
HIV Infection (AIDS)	3,710	9	2.6	12.4	4,279	9	3.1	14.3
Chronic Liver Disease and Cirrhosis	2,342	10	1.6	7.8	2,549	11	1.8	8.5
Cerebrovascular Diseases	2,274	11	1.6	7.6	2,594	10	1.8	8.7
Pneumonia and Influenza	2,190	12	1.5	7.3	2,013	12	1.4	6.7
Chronic Obstructive Pulmonary Diseases	1,902	13	1.3	6.4	1,570	14	1.1	5.3
Diabetes Mellitus	1,334	14	0.9	4.5	1,734	13	1.2	5.8
All Other	23,987	-	16.7	80.3	23,108	-	16.5	77.3

YPLL Using the Life Expectancy Method

Cause of Death	1987 YPLL	1987 Rank	1987 Percent	1987 Rate	1988 YPLL	1988 Rank	1988 Percent	1988 Rate
All Causes	363,826	-	100.0	1,104.8	361,932	-	100.0	1,096.3
Heart Disease	75,612	1	20.8	229.6	75,709	1	20.9	229.9
Malignant Neoplasms	71,440	2	19.6	216.9	72,714	2	20.1	220.8
Accidents (Total Unintentional Injuries)	44,194	(3)	12.1	134.2	40,636	(3)	11.2	123.4
Motor Vehicle	26,393	3	7.3	80.1	24,686	3	6.8	75.0
All Other	17,801	5	4.9	54.1	15,950	5	4.4	48.4
Suicide	20,123	4	5.5	61.1	21,989	4	6.1	66.8
Perinatal Conditions	15,282	6	4.2	46.4	15,093	7	4.2	45.8
Chronic Obstructive Pulmonary Diseases	15,276	7	4.2	46.4	15,469	6	4.3	47.0
Cerebrovascular Diseases	14,205	8	3.9	43.1	14,139	8	3.9	42.9
Congenital Anomalies	12,572	9	3.5	38.2	11,380	9	3.1	34.6
Pneumonia and Influenza	9,273	10	2.5	28.2	9,479	10	2.6	28.8
Homicide	9,156	11	2.5	27.8	8,712	11	2.4	26.5
Chronic Liver Disease and Cirrhosis	5,790	12	1.6	17.6	6,255	12	1.7	19.0
Diabetes Mellitus	5,491	13	1.5	16.7	5,982	14	1.7	18.2
HIV Infection (AIDS)	5,222	14	1.4	15.9	6,254	13	1.7	19.0
All Other	60,190	-	16.5	182.8	58,121	-	16.1	176.5

YPLL before age 65 was calculated from each age at death (not midpoint of age group interval).
YPLL using life expectancy method was calculated for each death from age at death and expected years of life remaining as presented in Colorado resident life tables for 1987 and 1988.
Rate for YPLL before age 65 is per 10,000 persons less than 65 years of age.
Rate for YPLL using life expectancy method is per 10,000 population.

Infectious and Parasitic Diseases

Infectious and parasitic diseases (excluding acute respiratory infections and influenza) killed 476 Coloradans in 1988. Deaths from septicemia and human immunodeficiency virus infection (HIV infection, or AIDS) were responsible for three-fourths of all deaths from infectious and parasitic diseases. Septicemia killed 196 Coloradans in 1988, 83.7 percent of whom were aged 55 years and older. HIV infections killed 168 Coloradans, 93.5 percent of whom were aged 25-64.

Among other infectious and parasitic diseases, viral hepatitis of all types caused 20 deaths in 1988. Twelve hepatitis deaths were identified as type B, 3 were type A, and 5 were not specified as to type. Tuberculosis caused 13 deaths, candidiasis 11 deaths, and pneumocystosis 6. Table 68 shows Colorado resident deaths from infectious and parasitic diseases in 1988. The enormity of historic decreases in communicable disease mortality in this century is apparent when vital statistics of the past are considered. In 1940, tuberculosis killed 457 Coloradans and ranked as the eighth leading cause of death for the state. Syphilis caused 89 deaths in 1940, measles and diptheria caused 15 deaths each, and poliomyelitis caused 12 deaths.

Acquired Immunodeficiency Syndrome (AIDS)

Colorado resident deaths from human immunodeficiency virus (HIV) infection totaled 168 in 1988, up from 133 in 1987. The death rate for HIV infection was 5.1 deaths per 100,000 population, compared to 4.0 in 1987.

HIV infection deaths in the United States are estimated at 16,210 in 1988, for a death rate of 6.6. The U.S. crude death rate for HIV infection remains higher than that for Colorado, as does the age-adjusted death rate. In 1988 the age-adjusted death rate for HIV infection was 4.7 in Colorado and 6.5 for the nation.

Males accounted for 163 AIDS deaths in 1988, 97.0 percent of the total 168 deaths. Deaths were concentrated among young and middle-aged adults, with 93.5 percent of decedents aged 25-64. Age-and-sex specific death rates were lower in the state than in the nation. Among males aged 25-34, the Colorado rate of 19.0 compares with a U.S. rate of 22.8. Rates for males aged 35-44 were 22.4 for Colorado and 31.6 in the nation, and for males aged 45-54 were 13.0 for Colorado and 18.0 for the nation.

Nearly half of all Colorado HIV infection deaths in 1988 were to residents of Denver County. Denver County AIDS deaths totaled 78. Three-fourths of Colorado AIDS deaths were to residents of the Denver metro area.

Table 69 shows selected characteristics of deaths with HIV infection as the underlying cause. In addition to the 168 AIDS deaths discussed here, 19 deaths had entries of HIV infection but had other underlying causes of death.

Table 68. Deaths from Infectious and Parasitic Diseases by Age: Colorado Residents, 1988

Disease/ICD9 Code	Total	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total Infectious and Parasitic Diseases	476	11	5	3	8	67	73	37	53	60	84	75
Salmonella Infection (003)	1	0	0	0	0	0	0	0	1	0	0	0
Intestinal Infection Due to Other Organisms (008)	4	1	0	0	0	0	0	0	0	0	2	1
Ill-Defined Intestinal Infections (009)	1	0	0	0	0	0	0	0	0	1	0	0
Tuberculosis (010-018)	13	0	0	0	0	1	1	1	2	3	4	1
Other Zoonotic Bacterial Diseases - Listeriosis (027.0)	3	0	0	0	0	0	0	0	0	1	1	1
Diseases Due to Other Mycobacteria (031)	4	0	0	0	0	0	0	2	0	2	0	0
Streptococcal Sore Throat (034.0)	1	0	0	0	0	0	0	0	0	0	1	0
Meningococcal Infection (036)	2	0	0	0	2	0	0	0	0	0	0	0
Septicemia (038)	196	8	1	2	2	3	9	7	22	30	53	59
Actinomycotic Infections (039)	1	0	0	0	0	0	0	0	0	0	0	1
Other Bacterial Diseases (040)	1	0	0	0	0	0	0	1	0	0	0	0
Bacterial Infection in Conditions Classified Elsewhere and of Unspecified Site (041)	5	0	1	0	0	0	0	0	0	2	1	1
Human Immunodeficiency Virus Infection (042-044)	168	0	0	0	4	60	62	21	14	6	1	0
Slow Virus Infection of Central Nervous System (046)	4	0	0	0	0	0	0	0	3	1	0	0
Other Non-Arthropod-Borne Viral Diseases of Central Nervous System (049)	2	0	0	0	0	1	0	0	0	0	1	0
Chickenpox (052)	2	0	0	0	0	1	0	0	0	0	1	0
Herpes Simplex (054)	4	0	0	0	0	0	0	1	1	0	1	1
Viral Hepatitis A (070.0,070.1)	3	0	1	0	0	0	0	0	1	1	0	0
Viral Hepatitis B (070.2,070.3)	12	0	0	0	0	0	0	0	3	5	4	0
Unspecified Viral Hepatitis (070.6,070.9)	5	0	0	0	0	0	1	0	3	0	1	0
Other Diseases Due to Viruses and Chlamydiae (078)	4	1	0	0	0	0	0	0	0	2	0	1
Viral Infection in Conditions Classified Elsewhere and of Unspecified Site (079)	6	0	0	0	0	0	0	0	0	0	2	4
Syphilis (090-097)	2	0	0	0	0	0	0	0	0	0	1	1
Candidiasis (112)	11	1	0	0	0	0	0	1	0	3	5	1
Histoplasmosis (115)	1	0	0	0	0	0	0	0	0	0	1	0
Other Mycoses (117)	5	0	1	0	0	1	0	0	1	1	1	0
Other and Unspecified Infectious and Parasitic Diseases - Pneumocystosis (136.3)	6	0	1	1	0	0	0	2	2	0	0	0
Other and Unspecified Infectious and Parasitic Diseases - Unpsecified (136.9)	4	0	0	0	0	0	0	0	0	2	1	1
Late Effects of Tuberculosis (137)	4	0	0	0	0	0	0	0	0	0	2	2
Late Effects of Other Infectious and Parasitic Diseases (139)	1	0	0	0	0	0	0	1	0	0	0	0

Table 69. Selected Characteristics of Deaths with HIV Infection (AIDS) as the Underlying Cause: Colorado Residents, 1988

Specific ICD9 Codes Selected as Underlying Cause

Category	Deaths
Human immunodeficiency virus infection (*042-*044)	168
Human immunodeficiency virus infection with specified conditions (*042)	163
With specified infections (*042.0)	42
Causing other specified infections (*042.1)	30
With specified malignant neoplasms (*042.2)	15
Acquired immunodeficiency syndrome, unspecified (*042.9)	76
Human immunodeficiency virus infection causing other specified conditions (*043)	1
Causing lymphadenopathy (*043.0)	0
Causing specified diseases of the central nervous system (*043.1)	0
Causing other disorders involving the immune mechanism (*043.2)	0
Causing other specified conditions (*043.3)	0
Acquired immunodeficiency syndrome-related complex, unspecified (*043.9)	1
Other human immunodeficiency virus infection (*044)	4
Causing specified acute infections (*044.0)	0
Human immunodeficiency virus infection, unspecified (*044.9)	4

Age and Sex of Decedents

Sex	Total	Infant	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	168	0	0	0	0	0	4	60	62	21	14	6	1	0
Male	163	0	0	0	0	0	4	59	61	21	13	4	1	0
Female	5	0	0	0	0	0	0	1	1	0	1	2	0	0

Resident Deaths by County of Residence

County	Deaths	County	Deaths	County	Deaths
Colorado Total	168	Denver	78	Kit Carson	2
Adams	10	Eagle	2	Larimer	3
Arapahoe	14	El Paso	18	Mesa	3
Bent	1	Fremont	1	Park	2
Boulder	6	Garfield	3	Pueblo	4
Crowley	1	Jefferson	17	Weld	3

Race/Spanish Origin of Decedents

Race	Total	Male	Female
Total Deaths	168	163	5
Total White	154	149	5
Anglo-White	145	140	5
Spanish Surname White	9	9	0
Black	12	12	0
Native American	1	1	0
Unknown/Not Stated	1	1	0
Spanish Origin	7	7	0

Spanish origin is independent of race.

Maternal Deaths

Five Colorado resident women died from complications of pregnancy, childbirth and the puerperium in 1988. The number of maternal deaths has ranged between 1 and 6 deaths since 1978, after falling dramatically in earlier decades.

The state's maternal mortality rate was 0.9 maternal deaths per 10,000 live births in 1988, compared with an estimated U.S. rate of 0.8. Colorado maternal mortality rates have been comparable to U.S. rates since about 1970. Table 70 presents maternal mortality data for Colorado and the United States for selected years between 1940 and 1988.

Of the five maternal deaths in the state in 1988, 2 were from ectopic pregnancies, 1 was from antepartum hemorrhage, abruptio placentae or placenta praevia, 1 was from infection of the genitourinary tract in pregnancy, and 1 was from obstetrical pulmonary embolism.

Table 70. Maternal Deaths and Maternal Mortality Rates: Colorado Residents and United States, Selected Years, 1940-1988

Year	Total Live Births	Maternal Deaths Number	Maternal Deaths Rate	U.S. Rate	Year	Total Live Births	Maternal Deaths Number	Maternal Deaths Rate	U.S. Rate
1940	21,416	88	41.1	37.6	1973	38,507	4	1.0	1.5
					1974	39,036	8	2.0	1.5
1950	33,853	30	8.9	8.3	1975	40,148	5	1.2	1.3
					1976	40,978	2	0.5	1.2
1960	42,905	9	2.1	3.7	1977	43,056	7	1.6	1.1
1961	44,648	12	2.7	3.7	1978	44,063	2	0.5	1.0
1962	43,594	9	2.1	3.5	1979	47,179	3	0.6	0.8
1963	42,179	13	3.1	3.6					
1964	40,537	6	1.5	3.3	1980	49,716	6	1.2	0.7
1965	36,851	9	2.4	3.2	1981	52,104	4	0.8	0.8
1966	34,899	4	1.1	2.9	1982	54,786	6	1.1	0.9
1967	35,166	9	2.6	2.8	1983	54,644	2	0.4	0.8
1968	36,842	5	1.4	2.5	1984	54,339	1	0.2	0.6
1969	39,189	6	1.5	2.2	1985	55,115	3	0.5	0.9
					1986	55,142	1	0.2	0.7
1970	41,480	9	2.2	2.2	1987	53,803	4	0.7	0.6
1971	40,360	8	2.0	1.9	1988	53,346	5	0.9	0.8
1972	38,585	4	1.0	1.9					

Rates are maternal deaths per 10,000 live births. U.S. data are from the National Center for Health Statistics and are provisional for 1987 and 1988. U.S. rates are based on an estimated 240 maternal deaths in 1987 and an estimated 300 maternal deaths in 1988.

Infant Deaths

The number of infant deaths totaled 506 in 1988 for an infant mortality rate of 9.5 infant deaths per 1,000 live births, down from 527 deaths and a rate of 9.8 in 1987. Infant mortality rates have ranged between 8.6 and 10.2 in Colorado since 1980. Infant mortality in the nation as a whole continued to exceed that in Colorado despite a record low U.S. rate of 9.9 in 1988.

The decrease in infant mortality in the state occurred among neonates, infants aged less than 28 days. Neonatal deaths account for the majority of infant deaths, totaling 296 in 1988. Colorado's neonatal mortality rate decreased to 5.5 deaths per 1,000 live births from 6.0 in 1987.

Postneonatal deaths, deaths between 28 days and 1 year of life, numbered 210 in 1988, for a postneonatal mortality rate of 3.9 deaths per 1,000 live births. While Colorado's neonatal mortality rate was lower than the U.S. rate of 6.4 in 1988, the state's postneonatal mortality rate was higher than the U.S. rate of 3.5. Table 71 presents Colorado and U.S. infant mortality statistics for selected years between 1910 and 1988. Figures 27 and 28 depict infant, neonatal and postneonatal mortality rates for Colorado and the United States since 1960.

Considerable differences exist in infant mortality rates by race. Table 72 shows live births, infant deaths and infant mortality rates by race for Colorado between 1980 and 1988. As this table shows, infant mortality rates for Colorado blacks have averaged over one-and-a-half times higher than rates for Anglo whites in the state in the 1980s. Similar patterns may be found throughout the United States. Spanish surname infant mortality rates averaged 9.8 between 1980 and 1988.

While males represented 50.9 percent of Colorado live births in 1988, males accounted for 59.7 percent of infant deaths. A total of 302 male infants died in 1988, compared to 204 female infants. The state's male infant mortality rate was 11.1, compared to a rate of 7.8 for females. Higher male rates also are a feature of infant mortality elsewhere. Table 73 shows infant deaths by race, sex and age at death in 1988.

Almost one third of all infant deaths occurred in the first day of life in 1988. Slightly fewer than half died in the first week if life. A higher percentage of deaths to black infants than white infants occurred in the first week of life.

Sudden infant deaths syndrome (SIDS) as an underlying cause of death killed 116 Colorado infants in 1988 for a rate of 21.7 deaths per 10,000 live births, the same rate as in 1987. SIDS deaths occur primarily in the postneonatal period; 106 of total Colorado SIDS deaths were to postneonates in 1988. Colorado SIDS mortality rates average higher than national rates. However, the reporting of SIDS may vary from place to place, possibly reflecting the frequency of autopsies for infant deaths.

Congenital anomalies killed 110 Colorado infants in 1988, down from 131 in 1987. The greatest number of congenital anomaly deaths were from congenital anomalies of the heart (33 deaths), followed by anomalies of the respiratory system (17), chromosomal anomalies (15 deaths, which include 8 from Edward's syndrome and 4 from Patau's syndrome), and bulbus cordis and anomalies of cardiac septal closure (8).

The number of deaths from the range of causes of death categorized as conditions originating in the perinatal period totaled 198 deaths in Colorado in 1988. Of these diverse conditions, respiratory distress syndrome caused 26 infant deaths, disorders relating to short gestation and unspecified low birth weight caused 24 deaths, complications of placenta, cord and membranes caused 14 deaths, and maternal complications of pregnancy caused 13 deaths.

Injuries killed 16 infants in 1988, 10 of which were homicides and 6 of which were accidents and adverse effects. Three of the accident deaths were from motor vehicles. Cause-of-death data for Colorado infants appear in Tables 74 through 76.

Table 77 presents infant, neonatal and postneonatal deaths and mortality rates by birth weight. Infant mortality rates are highest for the smallest babies and largest babies.

Infant deaths by trimester in which prenatal care began are shown in Table 78 by age of mother and race of child for 1988. Infant mortality rates were highest among infants of young mothers. Rates for ages 15-19 of 15.0 and 11.1 for 20-24 compare with 7.7 for ages 25-29, 8.0 for ages 30-34, 7.3 for ages 35-39, and 6.9 for ages 40-44.

Table 71. Infant, Neonatal and Postneonatal Deaths: Colorado Residents and U.S. Rates, Selected Years, 1910-1988

Year	Total Live Births	Infant Deaths			Neonatal Deaths			Postneonatal Deaths		
		Colorado		U.S.	Colorado		U.S.	Colorado		U.S.
		Number	Rate	Rate	Number	Rate	Rate	Number	Rate	Rate
1910	12,164	-	104.2	132.0	-	-	-	-	-	-
1920	18,676	-	101.9	100.8	-	-	-	-	-	-
1930	18,878	-	91.5	68.6	-	-	-	-	-	-
1940	21,416	1,275	59.5	47.0	707	33.0	28.8	568	26.5	18.3
1950	33,853	1,158	34.2	29.2	791	23.4	20.5	367	10.8	8.7
1960	42,905	1,182	27.5	26.0	916	21.3	18.7	266	6.2	7.3
1961	44,648	1,169	26.2	25.3	875	19.6	18.4	294	6.6	6.9
1962	43,594	1,098	25.2	25.3	811	18.6	18.3	287	6.6	7.0
1963	42,179	1,096	26.0	25.2	816	19.3	18.2	280	6.6	7.0
1964	40,537	1,033	25.5	24.8	764	18.8	17.9	269	6.6	6.9
1965	36,851	895	24.3	24.7	654	17.7	17.7	241	6.5	7.0
1966	34,899	820	23.5	23.7	617	17.7	17.2	203	5.8	6.5
1967	35,166	805	22.9	22.4	624	17.7	16.5	181	5.1	5.9
1968	36,842	762	20.7	21.8	580	15.7	16.1	182	4.9	5.7
1969	39,189	806	20.6	20.9	609	15.5	15.6	197	5.0	5.3
1970	41,480	829	20.0	20.0	628	15.1	15.1	201	4.8	4.9
1971	40,360	736	18.2	19.1	541	13.4	14.2	195	4.8	4.9
1972	38,585	678	17.6	18.5	487	12.6	13.6	191	5.0	4.9
1973	38,507	637	16.5	17.7	465	12.1	13.0	172	4.5	4.7
1974	39,036	612	15.7	16.7	447	11.5	12.3	165	4.2	4.4
1975	40,148	572	14.2	16.1	383	9.5	11.6	189	4.7	4.5
1976	40,978	531	13.0	15.2	357	8.7	10.9	174	4.2	4.3
1977	43,056	517	12.0	14.1	318	7.4	9.9	199	4.6	4.2
1978	44,063	493	11.2	13.8	303	6.9	9.5	190	4.3	4.3
1979	47,179	496	10.5	13.1	300	6.4	8.9	196	4.2	4.2
1980	49,716	500	10.1	12.6	329	6.6	8.5	171	3.4	4.1
1981	52,104	517	9.9	11.9	337	6.5	8.0	180	3.5	3.9
1982	54,786	497	9.1	11.5	309	5.6	7.7	188	3.4	3.8
1983	54,644	547	10.0	11.2	321	5.9	7.3	226	4.1	3.9
1984	54,339	552	10.2	10.8	316	5.8	7.0	236	4.3	3.8
1985	55,115	519	9.4	10.6	302	5.5	7.0	217	3.9	3.7
1986	55,142	476	8.6	10.4	293	5.3	6.7	183	3.3	3.6
1987	53,803	527	9.8	10.0	321	6.0	6.5	206	3.8	3.4
1988	53,346	506	9.5	9.9	296	5.5	6.4	210	3.9	3.5

All rates are per 1,000 live births. U.S. data are from the National Center for Health Statistics. U.S. rates for 1987 and 1988 are provisional.

Figure 27. Infant, Neonatal and Postneonatal Mortality Rates: Colorado Residents, 1960-1988

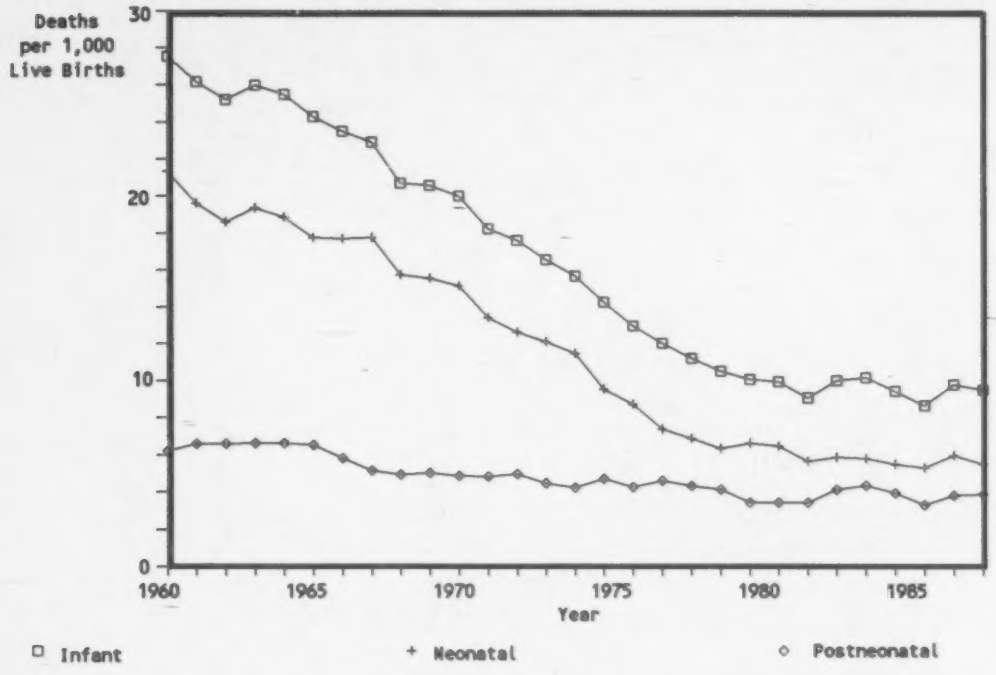


Figure 28. Infant, Neonatal and Postneonatal Mortality Rates: United States, 1960-1988

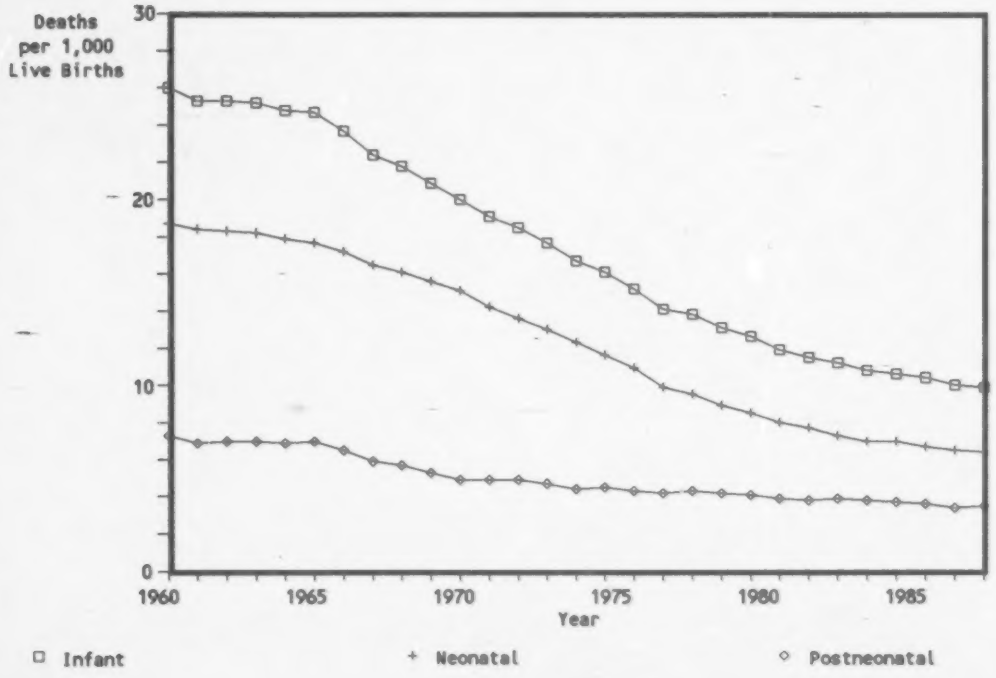


Table 72. Live Births, Infant Deaths and Infant Mortality Rates by Race: Colorado Residents, 1980-1988

Total	1980	1981	1982	1983	1984	1985	1986	1987	1988	Annual Average 1980-88
Live Births	49,716	52,104	54,786	54,644	54,339	55,115	55,142	53,803	53,346	53,666
Infant Deaths	500	517	497	547	552	519	476	527	506	516
Rate	10.1	9.9	9.1	10.0	10.2	9.4	8.6	9.8	9.5	9.6
Total White										
Live Births	45,584	47,701	50,108	50,114	49,759	50,404	50,172	48,718	48213	48,975
Infant Deaths	443	478	455	499	496	458	418	469	463	464
Rate	9.7	10.0	9.1	10.0	10.0	9.1	8.3	9.6	9.6	9.5
Anglo White										
Live Births	38,022	39,966	42,232	42,539	42,185	42,669	42,263	40,925	40,183	41,220
Infant Deaths	342	405	397	420	417	386	354	393	380	388
Rate	9.0	10.1	9.4	9.9	9.9	9.0	8.4	9.6	9.5	9.4
Spanish Surname White										
Live Births	7,562	7,735	7,876	7,575	7,574	7,735	7,909	7,793	8,030	7,754
Infant Deaths	101	73	58	79	79	72	64	76	83	76
Rate	13.4	9.4	7.4	10.4	10.4	9.3	8.1	9.8	10.3	9.8
Total Non-White										
Births	4,132	4,403	4,678	4,530	4,580	4,711	4,970	5,085	5,048	4,682
Infant deaths	57	39	42	48	56	61	58	58	43	51
Rate	13.8	8.9	9.0	10.6	12.2	12.9	11.7	11.4	8.5	11.0
Black										
Live Births	2,403	2,540	2,751	2,699	2,707	2,830	3,072	3,161	3,160	2,814
Infant Deaths	46	29	34	42	46	45	53	52	37	43
Rate	19.1	11.4	12.4	15.6	17.0	15.9	17.3	16.5	11.7	15.2
Native American										
Live Births	545	564	665	556	586	589	571	543	528	572
Infant Deaths	5	7	2	2	3	5	1	3	2	3
Rate	9.2	12.4	3.0	3.6	5.1	8.5	1.8	5.5	3.8	5.8
All Other Non-White										
Live Births	1,184	1,299	1,262	1,275	1,287	1,292	1,327	1,381	1,360	1,296
Infant Deaths	6	3	6	4	7	11	4	3	4	5
Rate	5.1	2.3	4.8	3.1	5.4	8.5	3.0	2.2	2.9	4.1

Infant mortality rates are infant deaths per 1,000 live births. Rates based on few actual cases must be viewed with caution.

Table 73. Infant Deaths by Race, Spanish Origin and Sex by Age: Colorado Residents, 1988

Sex, Race and Spanish Origin of Infant	Infant Deaths		Postneonatal Deaths		Neonatal Deaths		Death in First Week		Death in First Day	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	506	100.0	210	41.5	296	58.5	237	46.8	159	31.4
Total White	463	100.0	195	42.1	268	57.9	214	46.2	141	30.5
Anglo White	380	100.0	159	41.8	221	58.2	175	46.1	118	31.1
Spanish Surname White	83	100.0	36	43.4	47	56.6	39	47.0	23	27.7
Total Non-White	43	100.0	15	34.9	28	65.1	23	53.5	18	41.9
Black	37	100.0	11	29.7	26	70.3	22	59.5	17	45.9
Native American	2	100.0	0	0.0	2	100.0	1	50.0	1	50.0
Asian and Other	4	100.0	4	100.0	0	0.0	0	0.0	0	0.0
Non-Spanish Origin	436	100.0	181	41.5	255	58.5	204	46.8	139	31.9
Spanish Origin	70	100.0	29	41.4	41	58.6	33	47.1	20	28.6
Male	302	100.0	117	38.7	185	61.3	147	48.7	97	32.1
Female	204	100.0	93	45.6	111	54.4	90	44.1	62	30.4

Spanish origin is independent of race.

Table 74. Infant Deaths and Infant Mortality Rates for Selected Leading Causes of Infant Death: Colorado Residents, 1988, and United States, 1986

Cause of Death	ICD9 Codes	Colorado Number	Colorado Rate	United States Rate, 1986
All Causes		506	94.9	103.5
Pneumonia and Influenza	480-487	8	1.5	1.8
Congenital Anomalies	740-759	110	20.6	22.0
Newborn Affected by Maternal Complications of Pregnancy	761	13	2.4	3.6
Newborn Affected by Complications of Placenta, Cord and Membranes	762	14	2.6	2.2
Disorders Relating to Short Gestation and Unspecified Low Birthweight	765	24	4.5	8.6
Birth Trauma	767	5	0.9	
Intrauterine Hypoxia and Birth Asphyxia	768	8	1.5	2.6
Respiratory Distress Syndrome	769	26	4.9	9.1
Infections Specific to Perinatal Period	771	11	2.1	2.4
Sudden Infant Death Syndrome (SIDS)	798.0	116	21.7	14.1
Accidents and Adverse Effects	E800-E949	6	1.1	2.4
All Other Causes	Residual	165	30.9	34.8

Differences in reporting practices may account for some apparent differences in rates appearing here. Data are based on underlying cause of death. Rates are per 10,000 live births.
U.S. data are from the National Center for Health Statistics.

Table 75. Selected Causes of Infant Death with Infant Mortality Rates: Colorado Residents, 1980-88

Cause of Death	ICD9 Code	1980		1981		1982		1983		1984	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Causes		500	100.6	517	99.2	497	90.7	547	100.1	552	101.6
Heart Disease	390-398,402,404-429	11	2.2	12	2.3	11	2.0	19	3.5	31	5.7
Pneumonia and Influenza	480-487	7	1.4	12	2.3	8	1.5	17	3.1	12	2.2
Congenital Anomalies	740-759	120	24.1	123	23.6	115	21.0	122	22.3	129	23.7
Newborn Affected by Maternal Complications of Pregnancy	761	14	2.8	17	3.3	11	2.0	28	5.1	16	2.9
Newborn Affected by Complications of Placenta, Cord, and Membranes	762	8	1.6	11	2.1	16	2.9	12	2.2	7	1.3
Disorders Relating to Short Gestation and Unspecified Low Birthweight	765	31	6.2	18	3.5	19	3.5	36	6.6	35	6.4
Intrauterine Hypoxia and Birth Asphyxia	768	21	4.2	25	4.8	20	3.7	19	3.5	15	2.8
Respiratory Distress Syndrome	769	33	6.6	32	6.1	33	6.0	21	3.8	26	4.8
Infections Specific to the Perinatal Period	771	9	1.8	13	2.5	11	2.0	14	2.6	16	2.9
Sudden Infant Death Syndrome (SIDS)	798.0	65	13.1	73	14.0	85	15.5	95	17.4	104	19.1
Accidents and Adverse Effects	E800-E949	9	1.8	9	1.7	7	1.3	11	2.0	8	1.5
Homicide and Legal Intervention	E960-E978	9	1.8	5	1.0	6	1.1	2	0.4	4	0.7
All Other Causes	Residual	163	32.8	167	32.1	155	28.3	151	27.6	149	27.4
Live Births		49,716		52,104		54,786		54,644		54,339	

Cause of Death	ICD9 Code	1985		1986		1987		1988	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Causes		519	94.2	476	86.3	527	97.9	506	94.9
Heart Disease	390-398,402,404-429	24	4.4	31	5.6	15	2.8	11	2.1
Pneumonia and Influenza	480-487	7	1.3	6	1.1	9	1.7	8	1.5
Congenital Anomalies	740-759	127	23.0	102	18.5	131	24.3	110	20.6
Newborn Affected by Maternal Complications of Pregnancy	761	14	2.5	13	2.4	17	3.2	13	2.4
Newborn Affected by Complications of Placenta, Cord, and Membranes	762	13	2.4	9	1.6	16	3.0	14	2.6
Disorders Relating to Short 53803 Gestation and Unspecified Low Birthweight	765	31	5.6	33	6.0	32	5.9	24	4.5
Intrauterine Hypoxia and Birth Asphyxia	768	18	3.3	11	2.0	16	3.0	8	1.5
Respiratory Distress Syndrome	769	21	3.8	29	5.3	28	5.2	26	4.9
Infections Specific to the Perinatal Period	771	13	2.4	7	1.3	10	1.9	11	2.1
Sudden Infant Death Syndrome (SIDS)	798.0	100	18.1	85	15.4	117	21.7	116	21.7
Accidents and Adverse Effects	E800-E949	10	1.8	13	2.4	12	2.2	6	1.1
Homicide and Legal Intervention	E960-E978	2	0.4	5	0.9	6	1.1	10	1.9
All Other Causes	Residual	139	25.2	132	23.9	118	21.9	149	27.9
Live Births		55,115		55,142		53,803		53,346	

Infant death is death in the first year of life. Data are for underlying causes of death. Rates are infant deaths per 10,000 live births. Rates based on few actual cases must be viewed with caution. The relatively small numbers of deaths from some causes must be considered in any analysis of these data.

Table 76. Infant Deaths and Infant Mortality Rates for Selected Leading Causes of Infant Death by Race: Colorado Residents, 1988

Cause of Death	ICD9 Code	Total		Total White		Anglo White	
		Number	Rate	Number	Rate	Number	Rate
All Causes		506	94.9	463	96.0	380	94.6
Pneumonia and Influenza	480-487	8	1.5	7	1.5	6	1.5
Congenital Anomalies	740-759	110	20.6	100	20.7	82	20.4
Newborn Affected by Maternal Complications of Pregnancy	761	13	2.4	12	2.5	12	3.0
Newborn Affected by Complications of Placenta, Cord, and Membranes	762	14	2.6	12	2.5	9	2.2
Disorders Relating to Short Gestation and Unspecified Low Birthweight	765	24	4.5	20	4.1	18	4.5
Intrauterine Hypoxia and Birth Asphyxia	768	8	1.5	6	1.2	4	1.0
Respiratory Distress Syndrome	769	26	4.9	25	5.2	21	5.2
Infections Specific to Perinatal Period	771	11	2.1	10	2.1	6	1.5
Sudden Infant Death Syndrome (SIDS)	798.0	116	21.7	111	23.0	92	22.9
Accidents and Adverse Effects	E800-E949	6	1.1	6	1.2	5	1.2
Homicide and Legal Intervention	E960-E978	10	1.9	7	1.5	5	1.2
All Other Causes	Residual	160	30.0	147	30.5	120	29.7
Live Births		53,346		48,213		40,183	

Cause of Death	ICD9 Code	Spanish Surname		Black		Other Non-White	
		Number	Rate	Number	Rate	Number	Rate
All Causes		83	103.4	37	117.1	6	31.8
Pneumonia and Influenza	480-487	1	1.2	0	0.0	1	5.3
Congenital Anomalies	740-759	18	22.4	7	22.2	3	15.9
Newborn Affected by Maternal Complications of Pregnancy	761	0	0.0	1	3.2	0	0.0
Newborn Affected by Complications of Placenta, Cord, and Membranes	762	3	3.7	2	6.3	0	0.0
Disorders Relating to Short Gestation and Unspecified Low Birthweight	765	2	2.5	4	12.7	0	0.0
Intrauterine Hypoxia and Birth Asphyxia	768	2	2.5	2	6.3	0	0.0
Respiratory Distress Syndrome	769	4	5.0	1	3.2	0	0.0
Infections Specific to Perinatal Period	771	4	5.0	0	0.0	1	5.3
Sudden Infant Death Syndrome (SIDS)	798.0	19	23.7	5	15.8	0	0.0
Accidents and Adverse Effects	E800-E949	1	1.2	0	0.0	0	0.0
Homicide and Legal Intervention	E960-E978	2	2.5	3	9.5	0	0.0
All Other Causes	Residual	27	33.6	12	38.0	1	5.3
Live Births		8,030		3,160		1,888	

Rates are per 10,000 live births. Rates based on few actual cases must be viewed with caution.

Table 77. Live Births, Infant Deaths and Infant Mortality Rates by Birth Weight: Colorado Residents, 1988

Birth Weight (Grams)	Live Births	Infant Deaths		Neonatal Deaths		Postneonatal Deaths	
		Deaths	Infant Mortality Rate	Deaths	Neonatal Mortality Rate	Deaths	Postneonatal Mortality Rate
Total	53,346	506	9.5	296	5.5	210	3.9
<500	49	47	959.2	45	918.4	2	40.8
500-999	201	116	577.1	99	492.5	17	84.6
1,000-1,499	272	31	114.0	26	95.6	5	18.4
1,500-1,999	741	31	41.8	18	24.3	13	17.5
2,000-2,499	2,921	60	20.5	31	10.6	29	9.9
2,500-2,999	10,703	81	7.6	25	2.3	56	5.2
3,000-3,499	21,781	80	3.7	29	1.3	51	2.3
3,500-3,999	13,362	33	2.5	6	0.4	27	2.0
4,000-4,499	2,865	9	3.1	3	1.0	6	2.1
4,500-4,999	409	1	2.4	1	2.4	0	0.0
5000+	27	3	111.1	2	74.1	1	37.0
Low Weight Birth <2,500	4,184	285	68.1	219	52.3	66	15.8
Unknown/ Not Stated	15	14	933.3	11	733.3	3	200.0

Rates are events per 10,000 live births. See technical notes for a table converting metric weights into pounds and ounces.

Table 78. Infant Deaths by Trimester in Which Prenatal Care Began, Age of Mother and Race of Child: Colorado Residents, 1988

Race	Trimester Care Began	Total	Age of Mother <15	15-19	20-24	25-29	30-34	35-39	40-44	Unknown/ Not Stated
Total	Total	506	1	84	150	133	96	31	4	7
	First	339	1	40	93	93	82	28	2	0
	Second	95	0	25	37	22	8	2	1	0
	Third	14	0	4	3	5	2	0	0	0
	Unknown	34	0	8	11	8	0	0	0	7
	No Care	24	0	7	6	5	4	1	1	0
Total White	Total	463	1	80	131	124	89	28	4	6
	First	316	1	38	82	90	77	26	2	0
	Second	83	0	25	31	18	7	1	1	0
	Third	12	0	3	3	4	2	0	0	0
	Unknown	30	0	7	9	8	0	0	0	6
	No Care	22	0	7	6	4	3	1	1	0
Anglo White	Total	380	1	62	102	104	76	27	3	5
	First	277	1	31	67	81	70	25	2	0
	Second	57	0	17	21	15	3	1	0	0
	Third	6	0	2	2	2	0	0	0	0
	Unknown	25	0	7	8	5	0	0	0	5
	No Care	15	0	5	4	1	3	1	1	0
Spanish	Total	83	0	18	29	20	13	1	1	1
Surname	First	39	0	7	15	9	7	1	0	0
	Second	26	0	8	10	3	4	0	1	0
	Third	6	0	1	1	2	2	0	0	0
	Unknown	5	0	0	1	3	0	0	0	1
	No Care	7	0	2	2	3	0	0	0	0
Total	Total	43	0	4	19	9	7	3	1	0
Non-White	First	23	0	2	11	3	5	2	0	0
	Second	12	0	0	6	4	1	1	0	0
	Third	2	0	1	0	1	0	0	0	0
	Unknown	4	0	1	2	0	0	0	1	0
	No Care	2	0	0	0	1	1	0	0	0
Black	Total	37	0	6	17	7	7	2	0	0
	First	20	0	2	9	2	5	2	0	0
	Second	10	0	2	6	3	1	0	0	0
	Third	2	0	1	0	1	0	0	0	0
	Unknown	3	0	1	2	0	0	0	0	0
	No Care	2	0	0	0	1	1	0	0	0
Native	Total	2	0	0	1	0	0	0	0	1
American	First	1	0	0	1	0	0	0	0	0
	Second	0	0	0	0	0	0	0	0	0
	Third	0	0	0	0	0	0	0	0	0
	Unknown	1	0	0	0	0	0	0	0	1
	No Care	0	0	0	0	0	0	0	0	0
Asian	Total	4	0	0	1	2	0	1	0	0
	First	2	0	0	1	1	0	0	0	0
	Second	2	0	0	0	1	0	1	0	0
	Third	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0
	No Care	0	0	0	0	0	0	0	0	0

Trimesters are three-month periods of time.

Multiple Cause of Death

As noted in the discussion of injury deaths, cause-of-death statistics usually are based on the underlying cause of death, a single disease or injury circumstance that initiated the sequence of events leading to death. In this system, each death is assigned one underlying cause of death. However, death certificates provide for the inclusion of more information than the underlying cause of death alone. The immediate cause of death, antecedent causes giving rise to the immediate cause, and other significant conditions contributing to the death also may be entered by the physician or coroner completing the certificate and certifying the death.

The underlying cause of death is selected from the conditions recorded on the death certificate according to the sequence of conditions listed, provisions of the International Classification of Diseases, and other standardized classification rules. Table 79 presents the number of times selected causes of death were reported on death certificates in 1988. Table 80 compares the number of times (nonredundant) causes of death were selected as mentioned and underlying causes. The ratio of times reported to times selected as underlying is also shown.

Septicemia, nutritional deficiencies, nonspecific malignancies, angina pectoris, hypertension, and kidney disease are among the conditions that are mentioned on death certificates much more often than they are selected as the underlying cause. HIV infection, malignant neoplasms of most sites, and external causes of death are examples of causes of death most frequently selected as the underlying cause of death when reported.

Table 81 shows total numbers of causes of death reported on death certificates in 1988 by age of decedent. Seven in ten death certificates had more than 1 cause-of-death entry, with multiple conditions increasing with the age of decedents.

Table 79. Selected Leading Causes of Death - Underlying Cause by Total Mentions: Colorado Residents, 1988

Underlying Cause	Total	Heart Disease	Malignant Neoplasms	Accidents	Cerebro-vascular Diseases	COPD	Pneumonia and Influenza	Suicide	Athero-sclerosis	Diabetes Mellitus	Chronic Liver Disease	Homicide
Total	21,312	10,613	5,057	1,894	2,280	2,492	2,342	598	1,202	1,293	420	191
Heart Disease	6,466	6,466	230	227	465	527	282	0	428	457	37	1
Malignant Neoplasms	4,446	851	4,446	102	106	265	319	0	19	115	25	0
Chronic Obstructive Pulmonary Diseases	1,293	546	64	42	37	1,293	218	0	31	32	6	0
Cerebrovascular Diseases	1,324	417	46	59	1324	44	134	0	211	86	12	0
Accidents and Adverse Effects	1,125	184	11	1,125	20	23	18	0	10	16	6	0
Pneumonia and Influenza	984	345	56	21	104	107	984	0	27	48	11	0
Suicide	598	35	5	3	0	9	1	598	0	0	0	0
Diabetes Mellitus	371	250	16	7	45	14	17	0	35	371	0	0
Atherosclerosis	357	161	12	7	0	17	16	0	357	16	1	0
Chronic Liver Disease and Cirrhosis	275	56	10	12	3	9	10	0	1	12	273	0
Septicemia	196	93	11	5	9	3	21	0	1	17	6	0
Homicide	190	6	0	1	0	0	1	0	0	0	0	190
Nephritis, Nephrosis, Nephrotic Syndrome	145	75	8	10	5	4	15	0	2	8	1	0
All Other Causes	3,542	1,128	142	273	162	177	306	0	80	115	42	0

Table 80. Reported and Underlying Causes of Death: Colorado Resident Deaths, 1988

Cause of Death	ICD9 Code	Deaths with Cause Reported	Selected as Underlying	Ratio of Reported to Underlying Cause
Shigellosis and Amebiasis	004,006	0	0	0.0
Certain Other Intestinal Infections	007-009	6	5	1.2
Tuberculosis	010-018	28	13	2.2
Tuberculosis of Respiratory System	010-012	18	9	2.0
Other Tuberculosis	013-018	10	4	2.5
Whooping Cough	033	0	0	0.0
Strep Sore Throat, Scarlatina, and Erysipelas	034-035	1	1	1.0
Meningococcal Infection	036	2	2	1.0
Septicemia	038	953	196	4.9
Human Immunodeficiency Virus Infection	042-044	181	168	1.1
Acute Poliomyelitis	045	0	0	0.0
Measles	055	0	0	0.0
Viral Hepatitis	070	26	20	1.3
Syphilis	090-097	4	2	2.0
All Other Infectious and Parasitic Diseases	(001-039)	144	69	2.1
Malignant Neoplasms, All Sites	140-208	5,057	4,446	1.1
Of Lip, Oral Cavity, and Pharynx	140-149	82	68	1.2
Of Digestive Organs and Peritoneum	150-159	1,277	1,126	1.1
Of Respiratory and Intrathoracic Organs	160-165	1,176	1,070	1.1
Of Breast	174-175	546	450	1.2
Of Genital Organs	179-187	692	552	1.3
Of Urinary Organs	188-189	251	199	1.3
Other and Unspecified Sites	170-173,190-199	1,689	534	3.2
Leukemia	204-208	218	176	1.2
Lymphatic and Hematopoietic Tissues	200-203	328	271	1.2
Benign and Unspecified Neoplasms	210-239	92	42	2.2
Diabetes Mellitus	250	1,293	371	3.5
Nutritional Deficiencies	260-269	465	50	9.3
Anemias	280-285	324	43	7.5
Meningitis	320-322	26	16	1.6
Major Cardiovascular Diseases	390-448	12,473	8,517	1.5
Disease of Heart	390-398,402,404-429	10,613	6,466	1.6
Rheumatic Fever and Rheumatic Heart Disease	390-398	194	127	1.5
Hypertensive Heart Disease	402	243	135	1.8
Hypertensive Heart and Renal Disease	404	29	27	1.1
Ischemic Heart Disease	410-414	5,567	4,679	1.2
Acute Myocardial Infarction	410	2,380	2,166	1.1
Other Acute and Subacute Forms of IHD	411	114	30	3.8
Angina Pectoris	413	52	7	7.4
Old MI and Other Chronic IHD	412,414	4,074	2,476	1.6
Other Diseases of Endocardium	424	277	128	2.2
All Other Heart Disease	415-423,425-429	8,261	1,370	6.0
Hypertension with or without Renal Disease	401,403	920	98	9.4
Cerebrovascular Diseases	430-438	2,280	1,324	1.7
Intracerebral, Other Intracranial Hemorrhage	431-432	284	199	1.4
Cerebral Thrombosis, Embolism and Infarction	434.0,434.9	240	147	1.6
Cerebral Embolism	434.1	32	12	2.7
All Other Cerebrovascular Diseases	430,433,435-438	1,810	966	1.9
Atherosclerosis	440	1,202	357	3.4
Other Diseases of Arteries, Arterioles, Capill.	441-448	451	272	1.7
Acute Bronchitis and Bronchiolitis	466	18	8	2.3
Pneumonia and Influenza	480-487	2,342	984	2.4
Pneumonia	480-486	2,304	949	2.4
Influenza	487	38	35	1.1
Chronic Obstructive Pulmonary Diseases	490-496	2,492	1,293	1.9
Bronchitis, Chronic and Unspecified	490-491	88	33	2.7
Emphysema	492	407	236	1.7
Asthma	493	161	89	1.8
Other Chronic Obstructive Pulmonary Diseases	494-496	1,856	935	2.0
Ulcer of Stomach and Duodenum	531-533	205	83	2.5

Cause of Death	ICD9 Code	Deaths with Cause Reported	Selected as Underlying	Ratio of Reported to Underlying Cause
Appendicitis	540-543	13	4	3.3
Hernia and Intestinal Obstruction	550-553,560	165	59	2.8
Chronic Liver Disease and Cirrhosis	571	420	275	1.5
Cholelithiasis and Other Disorders of Gallbladder	574-575	84	40	2.1
Nephritis, Nephrotic Syndrome, Nephrosis	580-589	1,060	145	7.3
Acute Glomerulonephritis and Nephrotic Syndrome	580-581	10	3	3.3
Other Specified Renal Disease	582-583,587	64	40	1.6
Renal Disease Not Specified	584-586,588-589	1,021	102	10.0
Infections of Kidney	590	43	17	2.5
Hyperplasia of Prostate	600	24	8	3.0
Complications of Pregnancy, Childbirth	630-676	5	5	1.0
Pregnancy with Abortive Outcome	630-638	2	2	0.0
Other Complications of Pregnancy	640-676	3	3	1.0
Congenital Anomalies	740-759	236	184	1.3
Certain Conditions Originating in Perinatal Period	760-779	293	198	1.5
Birth Trauma, Hypoxia, Asphyxia, RDS	767-769	59	39	1.5
Other Perinatal Conditions	760-766,770-779	288	159	1.8
Symptoms, Signs and Ill-Defined Conditions	780-799	5,131	215	23.9
Unintentional Injuries and Adverse Effects	E800-E949	1,894	1,125	1.7
Motor Vehicle Accidents	E810-E825	567	559	1.0
All Other	E800-E807,E826-E949	1,333	566	2.4
Suicide	E950-E959	598	598	1.0
Homicide and Legal Intervention	E960-E978	191	190	1.0
All Other External Causes	E980-E999	72	69	1.0

Table 81. Total Numbers of Causes of Death Reported on Death Certificates by Age of Decedent: Colorado Residents, 1988

Number of Causes	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	21,312	506	69	47	57	197	251	746	836	1,142	2,529	4,446	5,658	4,828
1	6,612	399	14	7	4	20	26	154	251	435	944	1,500	1,595	1,263
2	9,048	93	44	33	45	169	202	525	489	508	992	1,690	2,260	1,998
3	4,292	14	10	7	7	7	20	60	81	148	466	950	1,296	1,226
4	1,142	0	1	0	1	0	2	6	13	38	113	247	427	294
5+	218	0	0	0	0	1	1	1	2	13	14	59	80	47

Colorado Life Tables

The observed expectation of life at birth reached a new high of 76.9 years for Coloradans in 1988, compared with 76.6 years in 1987 and 75.3 years for the period 1979-1981. Colorado ranked ninth highest among the states and District of Columbia in life expectancy in 1979-1981. In 1986, the most current year for which U.S. data are available, life expectancy was 74.8 years, compared with 73.9 for 1979-1981.

Life expectancy for Colorado females reached 79.8 years in 1988, up from 79.6 in 1987. Male life expectancy was 73.8 years, compared with 73.5 years in 1987. Life expectancy for both sexes in Colorado exceeds that for the United States as a whole. In 1986, U.S. life expectancy was 78.3 years for females and 71.3 for males. Current complate life tables for total Colorado population and for males and females in 1988 appear in Tables 82, 83 and 84. Explanation of methods used may be found in the technical notes for this report.

Table 82. Complete Life Table for Total Colorado Population, 1988

Age Interval in Years	Proportion Dying in Interval (X,X+1) (2)	Number Living at Age X (3)	Number Dying in Interval (X,X+1) (4)	Fraction of Last Year of Life (5)	Number of Years Lived in Interval (X,X+1) (6)	Total Number of Years Lived Beyond Age X (7)	Observed Expectation of Life at Age X (8)
0-1.....	0.00876	100,000	876	0.205	99,304	7,686,691	76.87
1-2.....	0.00062	99,124	61	0.500	99,094	7,587,387	76.54
2-3.....	0.00036	99,063	35	0.500	99,046	7,488,294	75.59
3-4.....	0.00012	99,028	11	0.500	99,023	7,389,248	74.62
4-5.....	0.00019	99,017	19	0.500	99,008	7,290,226	73.63
5-6.....	0.00022	98,998	21	0.500	98,988	7,191,218	72.64
6-7.....	0.00016	98,977	16	0.500	98,969	7,092,231	71.66
7-8.....	0.00016	98,961	16	0.500	98,953	6,993,262	70.67
8-9.....	0.00025	98,945	25	0.500	98,933	6,894,309	69.68
9-10.....	0.00017	98,920	17	0.500	98,912	6,795,376	68.70
10-11.....	0.00011	98,903	11	0.500	98,898	6,696,465	67.71
11-12.....	0.00022	98,892	22	0.500	98,881	6,597,567	66.71
12-13.....	0.00020	98,870	20	0.500	98,860	6,498,686	65.73
13-14.....	0.00024	98,850	24	0.500	98,838	6,399,826	64.74
14-15.....	0.00048	98,826	47	0.500	98,803	6,300,988	63.76
15-16.....	0.00040	98,779	40	0.500	98,759	6,202,186	62.79
16-17.....	0.00066	98,739	65	0.500	98,707	6,103,427	61.81
17-18.....	0.00099	98,674	97	0.500	98,626	6,004,720	60.85
18-19.....	0.00111	98,577	109	0.500	98,523	5,906,095	59.91
19-20.....	0.00080	98,468	78	0.500	98,429	5,807,572	58.98
20-21.....	0.00069	98,390	68	0.500	98,356	5,709,143	58.03
21-22.....	0.00110	98,322	109	0.500	98,268	5,610,787	57.07
22-23.....	0.00092	98,213	90	0.500	98,168	5,512,520	56.13
23-24.....	0.00100	98,123	98	0.500	98,074	5,414,352	55.18
24-25.....	0.00091	98,025	89	0.500	97,981	5,316,278	54.23
25-26.....	0.00109	97,936	107	0.500	97,883	5,218,297	53.28
26-27.....	0.00110	97,829	107	0.500	97,776	5,120,415	52.34
27-28.....	0.00118	97,722	116	0.500	97,664	5,022,639	51.40
28-29.....	0.00123	97,606	120	0.500	97,546	4,924,975	50.46
29-30.....	0.00122	97,486	118	0.500	97,427	4,827,429	49.52
30-31.....	0.00120	97,368	117	0.500	97,310	4,730,002	48.58
31-32.....	0.00125	97,251	121	0.500	97,191	4,632,693	47.64
32-33.....	0.00122	97,130	118	0.500	97,071	4,535,502	46.70
33-34.....	0.00114	97,012	111	0.500	96,957	4,438,431	45.75
34-35.....	0.00157	96,901	153	0.500	96,825	4,341,475	44.80
35-36.....	0.00135	96,748	131	0.500	96,683	4,244,650	43.87
36-37.....	0.00124	96,617	120	0.500	96,557	4,147,968	42.93
37-38.....	0.00137	96,497	132	0.500	96,431	4,051,411	41.98
38-39.....	0.00144	96,365	138	0.500	96,296	3,954,980	41.04
39-40.....	0.00130	96,227	125	0.500	96,165	3,858,684	40.10
40-41.....	0.00178	96,102	171	0.500	96,017	3,762,519	39.15
41-42.....	0.00198	95,931	190	0.500	95,836	3,666,503	38.22
42-43.....	0.00149	95,741	142	0.500	95,670	3,570,667	37.30
43-44.....	0.00164	95,599	157	0.500	95,521	3,474,997	36.35
44-45.....	0.00220	95,442	210	0.500	95,337	3,379,476	35.41
45-46.....	0.00247	95,232	235	0.500	95,115	3,284,139	34.49
46-47.....	0.00260	94,997	247	0.500	94,874	3,189,025	33.57
47-48.....	0.00223	94,750	211	0.500	94,645	3,094,151	32.66
48-49.....	0.00297	94,539	280	0.500	94,399	2,999,507	31.73
49-50.....	0.00338	94,259	318	0.500	94,100	2,905,108	30.82
50-51.....	0.00362	93,941	340	0.500	93,771	2,811,008	29.92
51-52.....	0.00424	93,601	397	0.500	93,403	2,717,237	29.03
52-53.....	0.00448	93,204	418	0.500	92,995	2,623,834	28.15
53-54.....	0.00502	92,786	466	0.500	92,553	2,530,839	27.28

Age Interval in Years	Proportion Dying in Interval (X,X+1) (2)	Number Living at Age X (3)	Number Dying in Interval (X,X+1) (4)	Fraction of Last Year of Life (5)	Number of Years Lived in Interval (X,X+1) (6)	Total Number of Years Lived Beyond Age X (7)	Observed Expectation of Life at Age X (8)
54-55.....	0.00539	92,320	498	0.500	92,071	2,438,286	26.41
55-56.....	0.00608	91,822	558	0.500	91,543	2,346,215	25.55
56-57.....	0.00706	91,264	645	0.500	90,942	2,254,672	24.70
57-58.....	0.00789	90,619	715	0.500	90,262	2,163,731	23.88
58-59.....	0.00909	89,904	817	0.500	89,496	2,073,469	23.06
59-60.....	0.00843	89,087	751	0.500	88,712	1,983,974	22.27
60-61.....	0.01073	88,336	948	0.500	87,862	1,895,262	21.46
61-62.....	0.01160	87,388	1,014	0.500	86,881	1,807,400	20.68
62-63.....	0.01203	86,374	1,039	0.500	85,855	1,720,519	19.92
63-64.....	0.01290	85,335	1,101	0.500	84,785	1,634,665	19.16
64-65.....	0.01380	84,234	1,163	0.500	83,653	1,549,880	18.40
65-66.....	0.01631	83,071	1,355	0.500	82,394	1,466,228	17.65
66-67.....	0.01787	81,716	1,460	0.500	80,986	1,383,834	16.93
67-68.....	0.01954	80,256	1,568	0.500	79,472	1,302,848	16.23
68-69.....	0.02184	78,688	1,719	0.500	77,829	1,223,376	15.55
69-70.....	0.01966	76,969	1,513	0.500	76,213	1,145,548	14.88
70-71.....	0.02575	75,456	1,943	0.500	74,485	1,069,335	14.17
71-72.....	0.02418	73,513	1,777	0.500	72,625	994,851	13.53
72-73.....	0.03135	71,736	2,249	0.500	70,612	922,226	12.86
73-74.....	0.03160	69,487	2,196	0.500	68,389	851,615	12.26
74-75.....	0.03601	67,291	2,423	0.500	66,080	783,226	11.64
75-76.....	0.03870	64,868	2,510	0.500	63,613	717,146	11.06
76-77.....	0.04298	62,358	2,680	0.500	61,018	653,533	10.48
77-78.....	0.04669	59,678	2,786	0.500	58,285	592,515	9.93
78-79.....	0.05117	56,892	2,911	0.500	55,437	534,230	9.39
79-80.....	0.05762	53,981	3,110	0.500	52,426	478,794	8.87
80-81.....	0.06108	50,871	3,107	0.500	49,318	426,368	8.38
81-82.....	0.06856	47,764	3,275	0.500	46,127	377,050	7.89
82-83.....	0.07606	44,489	3,384	0.500	42,797	330,924	7.44
83-84.....	0.08410	41,105	3,457	0.500	39,377	288,127	7.01
84-85.....	0.08786	37,648	3,308	0.500	35,994	248,750	6.61
85-86.....	0.08645	34,340	2,969	0.500	32,856	212,756	6.20
86-87.....	0.09095	31,371	2,853	0.500	29,945	179,901	5.73
87-88.....	0.10855	28,518	3,096	0.500	26,970	149,956	5.26
88-89.....	0.11938	25,422	3,035	0.500	23,905	122,986	4.84
89-90.....	0.13487	22,387	3,019	0.500	20,878	99,082	4.43
90+.....	1.00000	19,368	19,368	.	78,204	78,204	4.04

Table 83. Complete Life Table for Male Colorado Population, 1988

Age Interval in Years	Proportion Dying in Interval (X,X+1) (2)	Number Living at Age X (3)	Number Dying in Interval (X,X+1) (4)	Fraction of Last Year of Life (5)	Number of Years Lived in Interval (X,X+1) (6)	Total Number of Years Lived Beyond Age X (7)	Observed Expectation of Life at Age X (8)
0-1.....	0.01014	100,000	1,014	0.208	99,197	7,377,928	73.78
1-2.....	0.00057	98,986	56	0.500	98,958	7,278,731	73.53
2-3.....	0.00040	98,930	40	0.500	98,910	7,179,773	72.57
3-4.....	0.00023	98,890	22	0.500	98,879	7,080,863	71.60
4-5.....	0.00023	98,868	23	0.500	98,857	6,981,984	70.62
5-6.....	0.00027	98,845	27	0.500	98,832	6,883,127	69.64
6-7.....	0.00016	98,818	15	0.500	98,811	6,784,296	68.65
7-8.....	0.00016	98,803	16	0.500	98,795	6,685,485	67.66
8-9.....	0.00032	98,787	32	0.500	98,771	6,586,690	66.68
9-10.....	0.00021	98,755	20	0.500	98,745	6,487,919	65.70
10-11.....	0.00017	98,735	17	0.500	98,727	6,389,174	64.71
11-12.....	0.00030	98,718	30	0.500	98,703	6,290,448	63.72
12-13.....	0.00022	98,688	21	0.500	98,678	6,191,745	62.74
13-14.....	0.00030	98,667	30	0.500	98,652	6,093,067	61.75
14-15.....	0.00050	98,637	50	0.500	98,612	5,994,415	60.77
15-16.....	0.00049	98,587	48	0.500	98,563	5,895,803	59.80
16-17.....	0.00100	98,539	98	0.500	98,490	5,797,240	58.83
17-18.....	0.00125	98,441	123	0.500	98,380	5,698,750	57.89
18-19.....	0.00149	98,318	147	0.500	98,245	5,600,371	56.96
19-20.....	0.00102	98,171	100	0.500	98,121	5,502,126	56.05
20-21.....	0.00085	98,071	84	0.500	98,029	5,404,005	55.10
21-22.....	0.00153	97,987	150	0.500	97,912	5,305,976	54.15
22-23.....	0.00118	97,837	116	0.500	97,779	5,208,064	53.23
23-24.....	0.00127	97,721	124	0.500	97,659	5,110,285	52.29
24-25.....	0.00129	97,597	126	0.500	97,534	5,012,626	51.36
25-26.....	0.00158	97,471	154	0.500	97,394	4,915,092	50.43
26-27.....	0.00143	97,317	139	0.500	97,248	4,817,698	49.51
27-28.....	0.00188	97,178	183	0.500	97,087	4,720,451	48.58
28-29.....	0.00171	96,995	166	0.500	96,912	4,623,364	47.67
29-30.....	0.00158	96,829	153	0.500	96,753	4,526,452	46.75
30-31.....	0.00167	96,676	162	0.500	96,595	4,429,700	45.82
31-32.....	0.00183	96,514	177	0.500	96,426	4,333,105	44.90
32-33.....	0.00197	96,337	190	0.500	96,242	4,236,679	43.98
33-34.....	0.00163	96,147	157	0.500	96,069	4,140,437	43.06
34-35.....	0.00233	95,990	224	0.500	95,878	4,044,369	42.13
35-36.....	0.00195	95,766	187	0.500	95,673	3,948,491	41.23
36-37.....	0.00166	95,579	158	0.500	95,500	3,852,818	40.31
37-38.....	0.00183	95,421	174	0.500	95,334	3,757,318	39.38
38-39.....	0.00213	95,247	203	0.500	95,146	3,661,984	38.45
39-40.....	0.00163	95,044	155	0.500	94,967	3,566,839	37.53
40-41.....	0.00234	94,889	222	0.500	94,778	3,471,872	36.59
41-42.....	0.00240	94,667	227	0.500	94,554	3,377,094	35.67
42-43.....	0.00191	94,440	181	0.500	94,350	3,282,541	34.76
43-44.....	0.00212	94,259	200	0.500	94,159	3,188,191	33.82
44-45.....	0.00309	94,059	290	0.500	93,914	3,094,032	32.89
45-46.....	0.00309	93,769	290	0.500	93,624	3,000,118	31.99
46-47.....	0.00314	93,479	293	0.500	93,333	2,906,494	31.09
47-48.....	0.00266	93,186	248	0.500	93,062	2,813,162	30.19
48-49.....	0.00363	92,938	338	0.500	92,769	2,720,100	29.27
49-50.....	0.00398	92,600	369	0.500	92,416	2,627,331	28.37
50-51.....	0.00447	92,231	413	0.500	92,025	2,534,915	27.48
51-52.....	0.00587	91,818	539	0.500	91,549	2,442,891	26.61
52-53.....	0.00545	91,279	498	0.500	91,030	2,351,342	25.76
53-54.....	0.00625	90,781	567	0.500	90,498	2,260,312	24.90

Age Interval in Years	Proportion Dying in Interval (X,X+1) (2)	Number Living at Age X (3)	Number Dying in Interval (X,X+1) (4)	Fraction of Last Year of Life (5)	Number of Years Lived in Interval (X,X+1) (6)	Total Number of Years Lived Beyond Age X (7)	Observed Expectation of Life at Age X (8)
54-55.....	0.00668	90,214	603	0.500	89,913	2,169,815	24.05
55-56.....	0.00792	89,611	710	0.500	89,256	2,079,902	23.21
56-57.....	0.00873	88,901	776	0.500	88,513	1,990,646	22.39
57-58.....	0.01027	88,125	905	0.500	87,673	1,902,133	21.58
58-59.....	0.01071	87,220	934	0.500	86,753	1,814,461	20.80
59-60.....	0.01046	86,286	903	0.500	85,835	1,727,708	20.02
60-61.....	0.01380	85,383	1,178	0.500	84,794	1,641,873	19.23
61-62.....	0.01452	84,205	1,223	0.500	83,594	1,557,079	18.49
62-63.....	0.01498	82,982	1,243	0.500	82,361	1,473,486	17.76
63-64.....	0.01604	81,739	1,311	0.500	81,084	1,391,125	17.02
64-65.....	0.01777	80,428	1,430	0.500	79,713	1,310,042	16.29
65-66.....	0.02040	78,998	1,612	0.500	78,192	1,230,329	15.57
66-67.....	0.02568	77,386	1,987	0.500	76,393	1,152,137	14.89
67-68.....	0.02520	75,399	1,900	0.500	74,449	1,075,744	14.27
68-69.....	0.02913	73,499	2,141	0.500	72,429	1,001,295	13.62
69-70.....	0.02606	71,358	1,859	0.500	70,429	928,867	13.02
70-71.....	0.03518	69,499	2,445	0.500	68,277	858,438	12.35
71-72.....	0.03026	67,054	2,029	0.500	66,040	790,162	11.78
72-73.....	0.04120	65,025	2,679	0.500	63,686	724,122	11.14
73-74.....	0.04150	62,346	2,587	0.500	61,053	660,437	10.59
74-75.....	0.04911	59,759	2,935	0.500	58,292	599,384	10.03
75-76.....	0.05153	56,824	2,928	0.500	55,360	541,093	9.52
76-77.....	0.05635	53,896	3,037	0.500	52,378	485,733	9.01
77-78.....	0.06123	50,859	3,114	0.500	49,302	433,355	8.52
78-79.....	0.06838	47,745	3,265	0.500	46,113	384,053	8.04
79-80.....	0.07943	44,480	3,533	0.500	42,714	337,941	7.60
80-81.....	0.08596	40,947	3,520	0.500	39,187	295,227	7.21
81-82.....	0.08956	37,427	3,352	0.500	35,751	256,040	6.84
82-83.....	0.10269	34,075	3,499	0.500	32,326	220,289	6.46
83-84.....	0.11000	30,576	3,363	0.500	28,895	187,964	6.15
84-85.....	0.11203	27,213	3,049	0.500	25,689	159,069	5.85
85-86.....	0.11339	24,164	2,740	0.500	22,794	133,381	5.52
86-87.....	0.10863	21,424	2,327	0.500	20,261	110,587	5.16
87-88.....	0.12199	19,097	2,330	0.500	17,932	90,326	4.73
88-89.....	0.13442	16,767	2,254	0.500	15,640	72,394	4.32
89-90.....	0.18432	14,513	2,675	0.500	13,176	56,754	3.91
90+.....	1.00000	11,838	11,838	.	43,579	43,579	3.68

Table 84. Complete Life Table for Female Colorado Population, 1988

Age Interval in Years	Proportion Dying in Interval (X,X+1) (2)	Number Living at Age X (3)	Number Dying in Interval (X,X+1) (4)	Fraction of Last Year of Life (5)	Number of Years Lived in Interval (X,X+1) (6)	Total Number of Years Lived Beyond Age X (7)	Observed Expectation of Life at Age X (8)
0-1.....	0.00729	1,000,000	729	0.204	99,420	7,983,680	79.84
1-2.....	0.00067	92,271	67	0.500	99,238	7,884,260	79.42
2-3.....	0.00031	99,204	31	0.500	99,189	7,785,022	78.47
3-4.....	0.00000	99,173	0	0.500	99,173	7,685,834	77.50
4-5.....	0.00016	99,173	16	0.500	99,165	7,586,661	76.50
5-6.....	0.00016	99,157	16	0.500	99,149	7,487,496	75.51
6-7.....	0.00016	99,141	16	0.500	99,133	7,388,347	74.52
7-8.....	0.00017	99,125	16	0.500	99,117	7,289,214	73.54
8-9.....	0.00017	99,109	17	0.500	99,101	7,190,097	72.55
9-10.....	0.00013	99,092	13	0.500	99,086	7,090,996	71.56
10-11.....	0.00004	99,079	4	0.500	99,077	6,991,911	70.57
11-12.....	0.00014	99,075	14	0.500	99,068	6,892,834	69.57
12-13.....	0.00018	99,061	18	0.500	99,052	6,793,766	68.58
13-14.....	0.00018	99,043	18	0.500	99,034	6,694,714	67.59
14-15.....	0.00045	99,025	44	0.500	99,003	6,595,680	66.61
15-16.....	0.00031	98,981	30	0.500	98,966	6,496,677	65.64
16-17.....	0.00030	98,951	30	0.500	98,936	6,397,711	64.66
17-18.....	0.00071	98,921	70	0.500	98,886	6,298,775	63.67
18-19.....	0.00070	98,851	69	0.500	98,817	6,199,889	62.72
19-20.....	0.00056	98,782	56	0.500	98,754	6,101,072	61.76
20-21.....	0.00051	98,726	50	0.500	98,701	6,002,318	60.80
21-22.....	0.00065	98,676	65	0.500	98,644	5,903,617	59.83
22-23.....	0.00064	98,611	63	0.500	98,580	5,804,974	58.87
23-24.....	0.00071	98,548	70	0.500	98,513	5,706,394	57.90
24-25.....	0.00051	98,478	50	0.500	98,453	5,607,881	56.95
25-26.....	0.00058	98,428	57	0.500	98,400	5,509,428	55.97
26-27.....	0.00075	98,371	74	0.500	98,334	5,411,029	55.01
27-28.....	0.00046	98,297	45	0.500	98,275	5,312,695	54.05
28-29.....	0.00072	98,252	71	0.500	98,217	5,214,420	53.07
29-30.....	0.00084	98,181	82	0.500	98,140	5,116,204	52.11
30-31.....	0.00072	98,099	71	0.500	98,064	5,018,064	51.15
31-32.....	0.00064	98,028	63	0.500	97,997	4,920,000	50.19
32-33.....	0.00044	97,965	44	0.500	97,943	4,822,004	49.22
33-34.....	0.00063	97,921	62	0.500	97,890	4,724,061	48.24
34-35.....	0.00080	97,859	78	0.500	97,820	4,626,171	47.27
35-36.....	0.00074	97,781	73	0.500	97,745	4,528,351	46.31
36-37.....	0.00082	97,708	80	0.500	97,668	4,430,606	45.35
37-38.....	0.00090	97,628	88	0.500	97,584	4,332,938	44.38
38-39.....	0.00073	97,540	71	0.500	97,505	4,235,354	43.42
39-40.....	0.00097	97,469	95	0.500	97,422	4,137,850	42.45
40-41.....	0.00121	97,374	118	0.500	97,315	4,040,428	41.49
41-42.....	0.00156	97,256	151	0.500	97,181	3,943,113	40.54
42-43.....	0.00105	97,105	102	0.500	97,054	3,845,933	39.61
43-44.....	0.00116	97,003	112	0.500	96,947	3,748,879	38.65
44-45.....	0.00132	96,891	128	0.500	96,827	3,651,932	37.69
45-46.....	0.00185	96,763	179	0.500	96,674	3,555,105	36.74
46-47.....	0.00207	96,584	200	0.500	96,484	3,458,431	35.81
47-48.....	0.00180	96,384	173	0.500	96,298	3,361,947	34.88
48-49.....	0.00230	96,211	222	0.500	96,100	3,265,650	33.94
49-50.....	0.00278	95,989	267	0.500	95,856	3,169,550	33.02
50-51.....	0.00277	95,722	265	0.500	95,590	3,073,694	32.11
51-52.....	0.00262	95,457	250	0.500	95,332	2,978,105	31.20
52-53.....	0.00353	95,207	336	0.500	95,039	2,882,773	30.28
53-54.....	0.00381	94,871	362	0.500	94,690	2,787,734	29.38

Age Interval in Years	Proportion Dying in Interval (X,X+1) (2)	Number Living at Age X (3)	Number Dying in Interval (X,X+1) (4)	Fraction of Last Year of Life (5)	Number of Years Lived in Interval (X,X+1) (6)	Total Number of Years Lived Beyond Age X (7)	Observed Expectation of Life at Age X (8)
54-55.....	0.00414	94,509	391	0.500	94,314	2,693,044	28.50
55-56.....	0.00431	94,118	405	0.500	93,916	2,598,730	27.61
56-57.....	0.00548	93,713	514	0.500	93,456	2,504,815	26.73
57-58.....	0.00565	93,199	527	0.500	92,936	2,411,359	25.87
58-59.....	0.00759	92,672	703	0.500	92,321	2,318,423	25.02
59-60.....	0.00656	91,969	604	0.500	91,667	2,226,103	24.20
60-61.....	0.00796	91,365	727	0.500	91,002	2,134,436	23.36
61-62.....	0.00900	90,638	816	0.500	90,230	2,043,434	22.55
62-63.....	0.00943	89,822	847	0.500	89,399	1,953,204	21.75
63-64.....	0.01016	88,975	904	0.500	88,523	1,863,806	20.95
64-65.....	0.01035	88,071	912	0.500	87,615	1,775,283	20.16
65-66.....	0.01278	87,159	1,113	0.500	86,603	1,687,668	19.36
66-67.....	0.01116	86,046	960	0.500	85,566	1,601,065	18.61
67-68.....	0.01474	85,086	1,254	0.500	84,459	1,515,499	17.81
68-69.....	0.01573	83,832	1,319	0.500	83,173	1,431,040	17.07
69-70.....	0.01439	82,513	1,188	0.500	81,919	1,347,868	16.34
70-71.....	0.01812	81,325	1,473	0.500	80,589	1,265,949	15.57
71-72.....	0.01936	79,852	1,546	0.500	79,079	1,185,360	14.84
72-73.....	0.02368	78,306	1,855	0.500	77,379	1,106,281	14.13
73-74.....	0.02409	76,451	1,842	0.500	75,530	1,028,903	13.46
74-75.....	0.02628	74,609	1,961	0.500	73,629	953,373	12.78
75-76.....	0.02944	72,648	2,139	0.500	71,579	879,744	12.11
76-77.....	0.03363	70,509	2,372	0.500	69,323	808,166	11.46
77-78.....	0.03684	68,137	2,510	0.500	66,882	738,843	10.84
78-79.....	0.03991	65,627	2,619	0.500	64,318	671,961	10.24
79-80.....	0.04390	63,008	2,766	0.500	61,625	607,643	9.64
80-81.....	0.04610	60,242	2,777	0.500	58,854	546,018	9.06
81-82.....	0.05657	57,465	3,251	0.500	55,840	487,165	8.48
82-83.....	0.06156	54,214	3,337	0.500	52,546	431,325	7.96
83-84.....	0.07075	50,877	3,599	0.500	49,078	378,780	7.45
84-85.....	0.07605	47,278	3,596	0.500	45,480	329,702	6.97
85-86.....	0.07338	43,682	3,205	0.500	42,080	284,222	6.51
86-87.....	0.08280	40,477	3,351	0.500	38,802	242,143	5.98
87-88.....	0.10264	37,126	3,810	0.500	35,221	203,341	5.48
88-89.....	0.11325	33,316	3,773	0.500	31,430	168,120	5.05
89-90.....	0.11572	29,543	3,419	0.500	27,834	136,691	4.63
90+.....	1.00000	26,124	26,124	.	108,857	108,857	4.17

Deaths by County and Region

Tables 85 through 92 provide death statistics by county and region in Colorado in 1988. Additional data for total deaths and infant mortality appears in the Highlights section of this report. Figure 29 below compares crude death rates by county in the state in 1988. Figure 30 shows infant mortality rates in 1988 by county. Age-adjusted death rates by county are presented in Figure 31.

The effect of small numbers of events or small populations should be considered in any analysis of these figures or other presentations of county-specific data for Colorado.

Table 85.	Deaths and Death Rates by County and Region: Colorado Residents, 1970, 1975, 1980, 1984-88
Table 86.	Infant Deaths and Infant Mortality Rates by County and Region: Colorado Residents, 1970, 1975, 1980, 1984-88
Table 87.	Deaths by Age Group by County and Region: Colorado Residents, 1988
Table 88.	Deaths by Selected City of Residence: Colorado Residents, 1988
Table 89.	Deaths and Death Rates by Selected Age Groups by Sex by County and Region: Colorado Residents, 1988
Table 90.	Deaths by Race, Spanish Origin and Sex by County and Region: Colorado Residents, 1988
Table 91.	Deaths and Death Rates for Selected Causes by County and Region: Colorado Residents, 1988
Table 92.	Age-Adjusted Deaths Rates and Crude Death Rates by Sex by County with 95 Percent Confidence Limits: Colorado Residents, 1988

Figure 29. Crude Death Rates by County: Colorado Residents, 1988

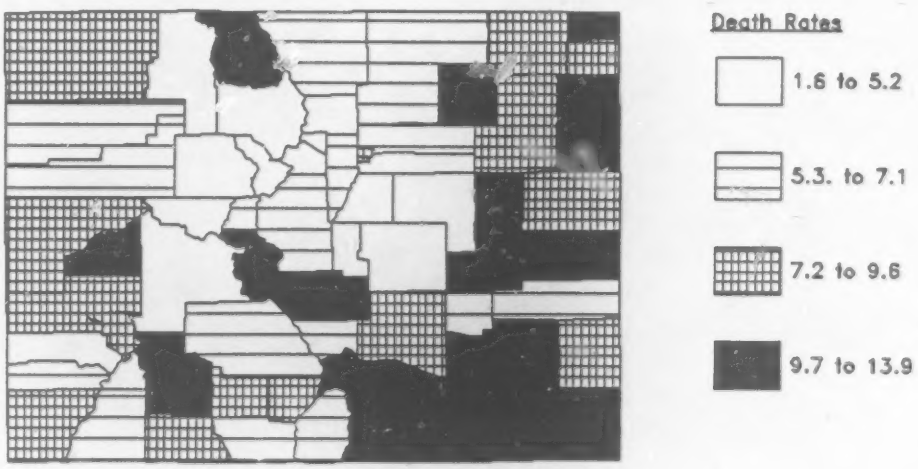


Figure 30. Infant Mortality Rates by County: Colorado Residents, 1988

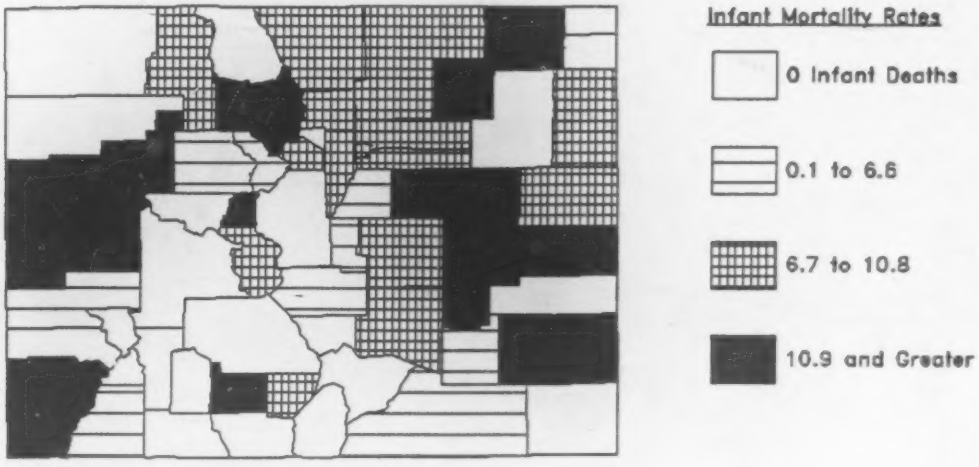
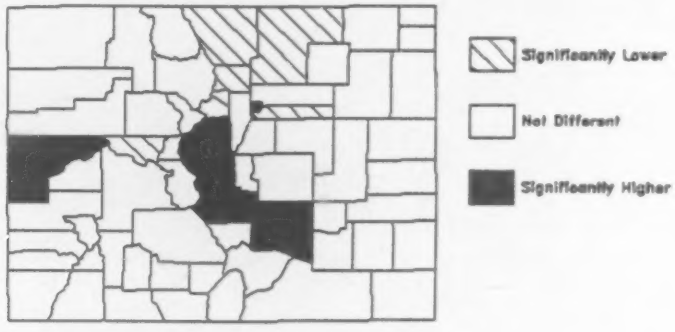


Figure 31. Age-Adjusted Death Rates by Sex By County: Colorado Residents, 1988

County Male Rates Significantly Different from State Rate (95 Percent Confidence)



County Female Rates Significantly Different from State Rates (95 Percent Confidence)

Table 85. Deaths and Death Rates by County and Region: Colorado Residents, 1970, 1975, 1980, 1984-88

Place	1970		1975		1980		1984		1985		1986		1987		1988	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Colorado	17,439	7.8	17,401	6.7	18,927	6.5	20356	6.4	20234	6.3	20768	6.4	21089	6.4	21,312	6.5
Adams	879	4.7	1,081	4.9	1,272	5.1	1399	5.3	1304	4.8	1425	5.3	1540	5.7	1,486	5.5
Alamosa	74	6.4	70	5.7	71	6.0	95	7.6	79	6.3	84	6.6	90	7.1	99	7.7
Arapahoe	847	5.2	1,000	4.5	1,333	4.5	1527	4.2	1602	4.2	1693	4.4	1665	4.3	1,723	4.5
Archuleta	17	6.3	28	9.4	20	5.4	21	4.2	22	4.2	40	7.5	30	5.7	42	8.4
Baca	69	12.2	56	9.9	53	9.9	50	10.1	62	13.0	56	12.5	48	10.8	64	13.9
Bent	56	8.6	62	9.7	52	8.8	60	10.3	64	11.2	66	11.5	55	10.1	71	13.0
Boulder	769	5.8	784	4.7	908	4.8	1045	4.9	1064	5.1	1007	4.7	1061	4.9	1,071	4.9
Chaffee	98	9.5	106	8.7	115	8.7	123	9.7	107	8.7	136	11.0	107	8.7	120	10.0
Cheyenne	20	8.4	24	10.7	19	8.9	22	9.4	21	8.6	24	10.2	27	11.8	26	10.6
Clear Creek	35	7.0	28	4.6	36	4.9	34	4.5	40	5.2	37	4.7	26	3.5	33	4.5
Conejos	53	6.8	67	8.3	61	7.9	55	6.8	60	7.5	79	9.7	71	8.5	49	6.0
Costilla	30	9.7	28	8.9	38	12.5	26	8.0	20	6.0	36	10.9	24	7.1	23	6.7
Crowley	50	16.2	35	10.5	42	14.2	40	13.1	36	11.2	42	12.9	33	9.7	31	7.1
Custer	12	10.6	16	14.0	8	5.4	15	7.9	22	10.5	18	8.5	6	2.9	12	5.9
Delta	220	14.4	216	12.3	228	10.6	281	11.5	245	10.2	222	9.7	266	11.8	248	11.1
Denver	5,357	10.4	4,580	9.1	4,520	9.2	4620	9.1	4541	8.9	4624	9.0	4509	8.8	4,458	8.9
Dolores	13	7.9	16	10.1	9	5.5	12	7.2	9	5.9	11	7.3	13	8.7	11	6.9
Douglas	66	7.7	63	4.3	91	3.6	126	3.7	129	3.5	122	3.0	133	3.1	171	3.7
Eagle	45	5.8	49	4.6	43	3.2	39	2.3	41	2.2	56	2.9	61	3.2	53	2.6
Elbert	39	10.0	28	5.6	48	7.0	52	6.4	42	5.0	49	5.6	40	4.3	43	4.4
El Paso	1,425	6.0	1,574	5.4	1,707	5.5	1836	5.2	1851	5.0	2010	5.3	2118	5.4	2,068	5.2
Fremont	334	15.1	356	13.5	353	12.3	421	13.9	374	12.4	344	11.5	358	12.0	415	13.7
Garfield	157	10.5	161	8.7	155	6.8	158	6.3	172	6.8	173	6.8	193	7.5	178	6.8
Gilpin	13	10.0	12	6.4	10	4.1	11	4.1	17	6.2	12	4.3	10	3.6	13	4.9
Grand	29	6.8	25	3.8	34	4.5	39	4.2	41	4.3	30	3.1	37	3.9	29	3.2
Gunnison	34	4.4	39	4.2	47	4.4	32	2.9	50	4.5	51	4.3	58	4.8	52	4.3
Hinsdale	3	14.6	1	2.9	2	5.3	1	2.1	0	0.0	3	8.4	2	5.2	4	11.3
Huerfano	98	15.0	91	13.6	87	13.6	73	10.5	81	11.2	80	11.1	69	9.8	68	9.8
Jackson	11	5.9	9	5.2	3	1.6	12	7.1	7	4.4	7	4.5	12	7.4	16	10.4
Jefferson	1,321	5.5	1,497	4.7	1,847	4.9	2059	5.0	2182	5.3	2149	5.1	2161	5.1	2,419	5.7
Kiowa	21	10.3	21	10.1	23	12.1	14	7.2	12	6.5	15	8.3	16	9.0	10	5.8
Kit Carson	60	7.9	63	8.1	73	9.7	101	12.7	69	8.9	75	9.8	51	6.8	70	9.2
Lake	60	7.2	40	4.6	40	4.5	32	4.4	33	4.8	35	5.3	32	5.1	33	5.5
La Plata	158	8.1	173	7.3	210	7.7	180	5.9	182	5.9	204	6.8	192	6.4	196	6.5
Larimer	659	7.2	723	6.0	801	5.3	959	5.8	962	5.6	1085	6.2	1015	5.7	992	5.5
Las Animas	187	11.8	202	12.8	166	11.1	197	13.4	163	11.4	191	13.5	197	13.6	162	11.3
Lincoln	59	12.1	66	13.1	64	13.9	56	12.5	51	11.1	47	10.5	51	11.4	62	13.4
Logan	171	9.0	166	8.6	165	8.3	176	8.8	163	8.2	154	8.1	170	9.1	181	9.5
Mesa	587	10.8	576	9.1	675	8.2	725	7.7	682	7.7	717	8.3	751	8.7	848	9.6
Mineral	5	6.3	3	3.8	7	9.0	5	6.3	4	5.2	5	7.2	1	1.5	6	9.9
Moffat	58	8.9	52	6.5	60	4.6	68	4.9	63	5.0	60	5.0	63	5.7	81	7.5
Montezuma	119	9.1	115	7.6	138	8.3	121	6.5	109	6.1	149	8.6	144	8.7	149	9.1
Montrose	204	11.1	176	8.5	193	7.9	225	8.7	238	9.3	200	7.9	228	9.0	222	8.5
Morgan	188	9.3	186	8.5	194	8.6	219	9.5	218	9.6	223	10.2	230	10.4	233	10.4
Otero	282	12.0	254	10.5	242	10.7	239	10.8	255	11.5	212	9.7	238	11.1	237	11.0
Ouray	15	9.7	20	10.9	12	6.3	21	10.2	10	5.1	16	8.8	16	8.2	18	9.3
Park	20	9.0	25	7.7	25	4.6	22	3.5	31	5.1	25	4.1	41	6.7	35	5.8
Phillips	55	13.5	55	12.9	63	14.0	51	11.4	60	13.4	47	10.4	56	12.4	37	8.3
Pitkin	25	3.9	27	3.0	40	3.9	28	2.5	27	2.2	33	2.5	27	2.0	25	1.8
Prowers	145	10.9	149	10.8	127	9.8	121	8.6	120	8.5	126	9.1	148	10.8	121	8.7
Pueblo	982	8.3	1,038	8.2	1,105	8.8	1118	8.8	1127	8.9	1126	8.8	1205	9.2	1,192	9.0
Rio Blanco	50	10.3	46	8.8	51	8.1	33	5.2	37	6.2	30	5.2	37	6.5	38	7.0
Rio Grande	119	11.4	110	10.1	111	10.5	109	9.7	115	10.1	95	8.1	115	9.9	107	9.4
Routt	65	9.6	52	5.3	52	3.9	62	4.2	62	4.2	55	3.8	60	4.1	47	3.2
Saguache	38	9.9	25	6.0	38	9.7	28	7.0	34	8.7	41	10.2	31	7.6	27	6.9
San Juan	7	8.4	5	5.6	1	1.2	5	5.5	5	6.7	6	8.1	4	5.0	2	2.7
San Miguel	22	11.2	16	7.0	7	2.2	17	5.4	5	1.4	12	3.2	8	2.0	14	3.4

Place	1970 Number	1970 Rate	1975 Number	1975 Rate	1980 Number	1980 Rate	1984 Number	1984 Rate	1985 Number	1985 Rate	1986 Number	1986 Rate	1987 Number	1987 Rate	1988 Number	1988 Rate
Sedgwick	42	12.3	31	9.1	32	10.0	41	12.6	39	12.6	27	9.2	38	13.0	30	10.2
Summit	16	5.7	12	2.0	20	2.2	19	1.5	25	1.8	17	1.2	16	1.2	22	1.6
Teller	21	6.2	39	6.7	49	6.1	61	5.9	62	5.9	58	5.3	57	5.0	52	4.6
Washington	54	9.8	60	11.6	63	12.0	59	10.8	61	11.5	52	10.2	54	10.6	46	9.1
Weld	670	7.4	652	6.0	787	6.4	848	6.3	830	6.1	840	6.1	874	6.2	806	5.7
Yuma	101	11.9	118	13.4	81	8.4	112	11.2	95	9.6	104	10.8	100	10.5	115	11.9
Planning and Management Regions																
PMR 1	611	10.1	616	9.8	598	9.2	658	9.9	636	9.7	607	9.6	648	10.3	642	10.1
2	1,329	7.3	1,375	6.0	1,588	5.8	1,807	6.0	1,792	5.8	1,925	6.2	1,889	5.9	1,798	5.6
3	9,287	7.4	9,045	6.3	10,017	6.1	10,821	6.0	10,879	5.9	11,069	6.0	11,105	6.0	11,374	6.1
4	1,466	6.0	1,638	5.4	1,781	5.5	1,919	5.2	1,944	5.0	2,093	5.3	2,216	5.4	2,155	5.2
5	178	9.5	181	9.1	204	9.6	231	10.1	183	7.9	195	8.4	169	7.2	201	8.2
6	623	11.5	577	10.4	539	10.4	524	10.1	549	10.6	517	10.1	538	10.7	534	10.4
7	982	8.3	1,038	8.2	1,105	8.8	1,118	8.8	1,127	8.9	1,126	8.8	1,205	9.2	1,192	9.0
8	319	8.5	303	7.7	326	8.6	318	8.0	312	7.8	340	8.4	332	8.1	311	7.7
9	314	8.3	337	7.6	378	7.6	339	6.0	327	5.8	410	7.4	383	7.0	400	7.4
10	498	11.0	468	9.0	489	7.9	577	8.6	548	8.2	504	7.6	578	8.7	558	8.4
11	852	10.5	835	8.8	941	7.5	984	7.1	954	7.2	980	7.6	1,044	8.1	1,145	8.8
12	191	6.4	174	4.0	192	3.5	199	3.0	203	2.9	198	2.8	213	3.0	192	2.6
13	504	12.0	518	10.7	516	9.9	591	11.3	536	10.4	533	10.5	503	9.9	580	11.5
14	285	12.7	293	13.0	253	11.9	270	12.5	244	11.4	271	12.7	266	12.4	230	10.8
Metro/Non-Metro																
Denver PMSA	8,470	7.6	8,221	6.5	9,063	6.3	9,731	6.1	9,758	6.1	10,013	6.1	10,008	6.1	10,257	6.3
Denver CMSA	9,239	7.4	9,005	6.3	9,971	6.1	10,776	6.0	10,822	5.9	11,020	6.0	11,069	6.0	11,328	6.1
All Metro	12,975	7.3	12,992	6.2	14,371	6.1	15,537	6.0	15,592	5.9	16,081	6.0	16,281	6.0	16,386	6.1
Non-Metro	4,464	10.1	4,406	8.8	4,556	8.1	4,819	7.9	4,642	7.7	4,687	7.8	4,808	8.0	4,926	8.2
Five-Region Substate Groups																
Front Range	12,975	7.3	12,992	6.2	14,371	6.1	15,537	6.0	15,592	5.9	16,081	6.0	16,281	6.0	16,386	6.1
Western Slope	1,855	9.6	1,814	7.7	2,000	6.8	2,099	6.4	2,032	6.3	2,092	6.5	2,218	6.9	2,295	7.1
Eastern Plains	1,412	10.6	1,374	9.9	1,341	9.7	1,413	10.0	1,368	9.7	1,319	9.6	1,355	9.9	1,377	9.9
San Luis Valley	319	8.5	303	7.7	326	8.6	318	8.0	312	7.8	340	8.4	332	8.1	311	7.7
Eastern Mtns	878	11.5	915	10.4	889	9.2	989	9.8	930	9.3	936	9.4	903	9.0	943	9.5
Population-Based Region																
1 Denver	5,357	10.4	4,580	9.1	4,520	9.2	4,620	9.1	4,541	8.9	4,624	9.0	4,509	8.8	4,458	8.9
2 Jefferson	1,321	5.5	1,497	4.7	1,847	4.9	2,059	5.0	2,182	5.3	2,149	5.1	2,161	5.1	2,419	5.7
3 Boulder	769	5.8	784	4.7	908	4.8	1,045	4.9	1,064	5.1	1,007	4.7	1,061	4.9	1,071	4.9
4 Adams	879	4.7	1,081	4.9	1,272	5.1	1,399	5.3	1,304	4.8	1,425	5.3	1,540	5.7	1,486	5.5
5 Arapahoe	847	5.2	1,000	4.5	1,333	4.5	1,527	4.2	1,602	4.2	1,693	4.4	1,665	4.3	1,723	4.5
6 El Paso	1,425	6.0	1,574	5.4	1,707	5.5	1,836	5.2	1,851	5.0	2,010	5.3	2,118	5.4	2,068	5.2
7 Larimer	659	7.2	723	6.0	801	5.3	959	5.8	962	5.6	1,085	6.2	1,015	5.7	992	5.5
8 Pueblo	982	8.3	1,038	8.2	1,105	8.8	1,118	8.8	1,127	8.9	1,126	8.8	1,205	9.2	1,192	9.0
9 Weld	670	7.4	652	6.0	787	6.4	848	6.3	830	6.1	840	6.1	874	6.2	806	5.7
10 Northwest Reg	852	10.5	835	8.8	941	7.5	984	7.1	954	7.2	980	7.6	1,044	8.1	1,145	8.8
11 Western Reg	689	9.2	642	6.7	681	5.8	776	5.8	751	5.5	702	5.1	791	5.7	750	5.4
12 Eastern Reg	1,412	10.6	1,374	9.9	1,341	9.7	1,413	10.0	1,368	9.7	1,319	9.6	1,355	9.9	1,377	9.9
13 Central Reg	659	10.6	685	8.5	727	7.2	845	7.5	815	7.1	787	6.6	770	6.3	884	7.1
14 Southern Reg	918	9.4	933	8.8	957	8.8	927	7.8	883	7.5	1,021	8.7	981	8.4	941	8.1

Rates are per 1,000 population. Rates based on few actual cases must be viewed with caution.
See inside back cover for descriptions of regions.

Table 86. Infant Deaths and Infant Mortality Rates by County and Region: Colorado Residents, 1970, 1975, 1980, 1984-88

Place	1970		1975		1980		1984		1985		1986		1987		1988	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Colorado	829	20.0	572	14.2	500	10.1	552	10.2	519	9.4	476	8.6	527	9.8	506	9.5
Adams	90	23.8	68	16.9	52	10.9	51	10.0	45	8.6	64	12.5	61	12.1	49	9.8
Alamosa	2	9.1	2	9.4	3	13.1	1	4.0	1	3.9	2	8.1	2	7.3	2	7.6
Arapahoe	43	15.9	45	13.7	48	9.7	54	8.9	54	8.4	61	9.5	68	10.8	59	9.4
Archuleta	1	19.2	3	53.6	1	13.2	1	9.3	0	0.0	1	10.4	0	0.0	0	0.0
Baca	3	33.7	2	19.4	0	0.0	1	15.9	0	0.0	0	0.0	0	0.0	0	0.0
Bent	3	33.7	4	52.6	0	0.0	1	13.2	1	12.5	0	0.0	0	0.0	1	13.2
Boulder	34	14.4	21	10.1	22	8.1	24	7.4	37	11.1	22	6.7	17	5.2	27	8.4
Chaffee	4	26.3	3	18.6	4	15.6	3	17.6	1	6.4	0	0.0	0	0.0	1	6.8
Cheyenne	2	51.3	2	43.5	0	0.0	0	0.0	0	0.0	0	0.0	1	27.0	1	20.8
Clear Creek	1	11.4	1	6.9	0	0.0	1	6.9	0	0.0	1	8.1	0	0.0	1	8.9
Conejos	4	25.0	4	27.4	3	15.6	0	0.0	0	0.0	1	7.3	1	7.3	0	0.0
Costilla	1	18.9	1	19.6	1	16.9	1	24.4	0	0.0	0	0.0	0	0.0	0	0.0
Crowley	3	88.2	1	23.3	0	0.0	1	22.2	0	0.0	0	0.0	1	23.8	1	24.4
Custer	1	66.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Delta	1	4.7	3	12.8	7	19.5	2	5.9	5	15.5	4	13.8	3	11.6	5	21.2
Denver	179	17.8	103	13.8	100	11.9	106	11.9	108	12.1	82	8.9	102	11.5	90	10.7
Dolores	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	50.0	0	0.0	2	83.3
Douglas	4	26.8	1	6.5	4	11.6	10	16.9	9	13.3	1	1.3	7	8.2	2	2.0
Eagle	6	33.3	2	11.2	3	10.3	0	0.0	2	5.2	3	8.3	3	8.1	2	5.4
Elbert	1	27.0	1	13.9	3	28.6	2	17.2	0	0.0	1	7.8	0	0.0	2	16.0
El Paso	139	25.5	95	16.3	63	10.9	72	10.5	57	8.1	75	9.9	85	11.1	74	9.7
Fremont	6	19.4	6	19.5	3	7.5	5	13.0	4	11.0	4	10.0	2	5.5	1	2.9
Garfield	4	15.1	4	13.7	2	4.6	3	6.2	6	12.8	2	4.5	5	11.8	7	16.7
Gilpin	1	50.0	2	76.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Grand	2	25.0	0	0.0	1	6.6	2	14.6	0	0.0	3	19.1	0	0.0	3	28.8
Gunnison	2	15.3	2	20.8	1	6.7	0	0.0	0	0.0	2	13.4	2	15.9	0	0.0
Hinsdale	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Huerfano	0	0.0	1	10.6	1	11.1	3	38.0	1	11.8	0	0.0	1	14.1	0	0.0
Jackson	1	21.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	66	16.3	45	10.7	43	7.6	61	9.4	54	8.1	41	6.0	48	7.3	61	9.3
Kiowa	0	0.0	0	0.0	1	28.6	0	0.0	2	83.3	0	0.0	0	0.0	0	0.0
Kit Carson	1	7.6	2	13.7	1	7.1	3	23.3	0	0.0	1	9.3	0	0.0	1	8.4
Lake	9	40.0	0	0.0	1	4.0	2	16.8	0	0.0	1	10.6	3	33.7	1	12.2
La Plata	8	22.6	7	18.2	7	14.5	9	16.5	11	20.0	3	6.5	3	6.2	3	6.6
Larimer	23	14.2	14	8.5	25	10.6	32	11.8	19	6.8	24	8.6	22	8.3	19	6.9
Las Animas	4	15.2	6	28.4	4	17.0	0	0.0	1	5.4	0	0.0	2	10.5	1	5.5
Lincoln	1	16.9	0	0.0	1	11.9	0	0.0	0	0.0	0	0.0	1	14.9	1	12.3
Logan	10	30.8	4	12.9	4	11.7	0	0.0	3	10.4	4	15.2	1	3.9	4	17.2
Mesa	17	20.8	15	15.6	17	11.0	13	8.4	13	9.1	11	8.2	12	10.2	16	13.2
Mineral	0	0.0	1	142.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Moffat	2	20.0	2	15.3	4	12.5	1	4.3	3	11.7	2	10.4	1	5.4	0	0.0
Montezuma	5	21.7	4	13.7	3	9.6	3	8.2	4	11.6	5	16.1	5	15.7	6	18.7
Montrose	12	36.4	5	17.2	5	10.4	4	10.2	1	2.9	0	0.0	8	29.0	1	3.3
Morgan	10	28.9	4	11.7	8	17.7	10	24.8	7	16.3	2	5.4	4	11.5	6	16.2
Otero	11	28.6	5	12.8	3	7.3	5	13.2	3	8.6	1	2.8	3	9.0	1	3.1
Ouray	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	41.7	0	0.0
Park	0	0.0	1	20.8	1	9.3	0	0.0	0	0.0	1	8.2	1	10.5	0	0.0
Phillips	0	0.0	1	14.5	1	16.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pitkin	4	32.3	0	0.0	0	0.0	1	6.3	3	20.8	2	11.0	0	0.0	0	0.0
Prowers	3	10.4	6	26.0	2	6.8	2	6.5	2	6.3	2	7.3	2	8.2	6	24.7
Pueblo	48	21.2	27	14.0	20	9.5	22	11.5	26	14.1	19	10.7	10	5.6	19	10.8
Rio Blanco	2	24.1	1	11.1	0	0.0	0	0.0	2	15.7	0	0.0	0	0.0	0	0.0
Rio Grande	2	10.1	0	0.0	2	9.5	1	5.3	0	0.0	5	22.8	0	0.0	3	16.6
Routt	6	47.6	0	0.0	0	0.0	1	4.4	0	0.0	2	9.7	2	11.0	2	10.1
Saguache	3	40.0	1	11.4	2	20.2	1	12.5	0	0.0	0	0.0	0	0.0	0	0.0
San Juan	0	0.0	1	41.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	3	81.1	1	27.0	2	35.1	1	18.5	0	0.0	1	19.2	1	21.3	0	0.0

Place	1970 Number	1970 Rate	1975 Number	1975 Rate	1980 Number	1980 Rate	1984 Number	1984 Rate	1985 Number	1985 Rate	1986 Number	1986 Rate	1987 Number	1987 Rate	1988 Number	1988 Rate
Sedgwick	0	0.0	0	0.0	0	0.0	1	23.3	1	33.3	0	0.0	0	0.0	0	0.0
Summit	4	71.4	3	31.6	1	5.6	5	23.4	5	20.6	2	8.5	2	10.6	1	4.9
Teller	0	0.0	1	11.5	1	7.0	2	11.3	0	0.0	0	0.0	2	10.5	1	5.6
Washington	2	27.0	1	13.5	0	0.0	1	10.9	1	14.7	0	0.0	1	13.3	0	0.0
Weld	31	19.0	31	17.2	19	8.6	24	10.3	27	11.9	17	7.9	30	14.0	22	10.4
Yuma	4	34.2	4	26.8	0	0.0	3	18.5	0	0.0	0	0.0	1	8.0	1	9.0
Planning and Management Regions																
PMR 1	26	26.9	14	13.9	13	11.3	15	13.9	12	11.7	6	6.2	7	7.9	11	12.9
2	54	16.6	45	13.1	44	9.6	56	11.1	46	9.1	41	8.3	52	10.8	41	8.4
3	418	18.0	286	13.4	269	10.0	307	10.0	307	9.8	272	8.6	303	9.8	289	9.4
4	139	25.1	97	16.2	65	10.7	74	10.4	57	7.7	76	9.6	88	11.1	75	9.4
5	5	18.7	5	15.7	5	13.8	5	12.7	0	0.0	2	5.7	2	5.4	5	13.4
6	23	25.2	18	20.5	6	6.2	10	11.0	8	8.8	3	3.7	6	7.6	9	11.5
7	48	21.2	27	14.0	20	9.5	22	11.5	26	14.1	19	10.7	10	5.6	19	10.8
8	12	16.7	9	13.3	11	13.6	4	5.5	1	1.3	8	10.9	3	3.9	5	7.2
9	14	20.4	15	19.2	11	11.8	13	12.1	15	14.3	10	11.2	8	8.5	11	12.2
10	18	24.2	11	15.9	15	14.0	7	7.5	6	6.6	7	8.6	15	20.3	6	7.9
11	25	19.8	22	14.9	23	9.4	17	7.1	24	10.6	15	7.2	18	9.6	23	12.3
12	23	37.6	5	7.3	5	4.9	9	8.0	10	8.6	12	10.3	7	6.7	8	7.6
13	20	28.5	9	14.5	8	8.6	10	14.2	5	7.7	5	7.2	5	8.2	3	5.0
14	4	11.3	7	23.0	5	15.4	3	10.0	2	7.4	0	0.0	3	11.5	1	3.8
Metro/Non-Metro																
Denver PMSA	382	18.4	262	13.7	247	10.2	282	10.4	270	9.7	249	8.8	286	10.4	261	9.6
Denver CMSA	416	18.0	283	13.3	269	10.0	306	10.1	307	9.8	271	8.6	303	9.8	288	9.4
Total Metro	657	19.3	450	13.9	396	10.1	456	10.3	436	9.6	406	8.9	450	10.0	422	9.4
Non-Metro	172	23.2	120	15.5	104	10.0	96	9.5	83	8.4	70	7.5	77	8.8	84	9.8
Five-Region Substate Groups																
Front Range	657	19.3	450	13.9	396	10.1	456	10.3	436	9.6	406	8.9	450	10.0	422	9.4
Western Slope	80	24.2	53	14.6	54	9.9	46	8.3	55	10.2	44	8.9	48	10.4	48	10.5
Eastern Plains	54	25.2	37	16.8	24	9.7	30	12.6	20	8.8	11	5.2	15	7.4	25	12.5
San Luis Valley	12	16.7	9	13.3	11	13.6	4	5.5	1	1.3	8	10.9	3	3.9	5	7.2
Eastern Mtns	26	20.8	21	17.1	15	8.9	16	10.6	7	5.0	7	4.8	11	8.2	6	4.6
Population-Based Region																
1 Denver	179	17.8	103	13.8	100	11.9	106	11.9	108	12.1	82	8.9	102	11.5	90	10.7
2 Jefferson	66	16.3	45	10.7	43	7.6	61	9.4	54	8.1	41	6.0	48	7.3	61	9.3
3 Boulder	34	14.4	21	10.1	22	8.1	24	7.4	37	11.1	22	6.7	17	5.2	27	8.4
4 Adams	90	23.8	68	16.9	52	10.9	51	10.0	45	8.6	64	12.5	61	12.1	49	9.8
5 Arapahoe	43	15.9	45	13.7	48	9.7	54	8.9	54	8.4	61	9.5	68	10.8	59	9.4
6 El Paso	139	25.5	95	16.3	63	10.9	72	10.5	57	8.1	75	9.9	85	11.1	74	9.7
7 Larimer	23	14.2	14	8.5	25	10.6	32	11.8	19	6.8	24	8.6	22	8.3	19	6.9
8 Pueblo	48	21.2	27	14.0	20	9.5	22	11.5	26	14.1	19	10.7	10	5.6	19	10.8
9 Weld	31	19.0	31	17.2	19	8.6	24	10.3	27	11.9	17	7.9	30	14.0	22	10.4
10 Northwest Reg	25	19.8	22	14.9	23	9.4	17	7.1	24	10.6	15	7.2	18	9.6	23	12.3
11 Western Reg	41	30.3	16	11.6	20	9.6	16	7.8	16	7.7	19	9.6	22	12.4	14	7.8
12 Eastern Reg	54	25.2	37	16.8	24	9.7	30	12.6	20	8.8	11	5.2	15	7.4	25	12.5
13 Central Reg	26	24.8	15	13.9	14	8.2	23	12.8	14	7.7	8	4.1	15	7.8	7	3.5
14 Southern Reg	30	17.1	31	17.6	27	13.1	20	9.5	18	8.6	18	9.5	14	7.1	17	9.2

Infant death is death in the first year of life. Rates are infant deaths per 1,000 live births.
Rates based on few actual cases must be viewed with caution. See inside back cover for descriptions of regions.

Table 87. Deaths by Age Group by County and Region: Colorado Residents, 1988

Place	Total Deaths	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Colorado	21,312	506	69	47	57	197	251	746	836	1,142	2,529	4,446	5,658	4,828
Adams	1,486	49	6	7	4	16	28	55	79	104	220	352	323	243
Alamosa	99	2	1	0	1	2	1	3	3	2	12	20	32	20
Arapahoe	1,723	59	7	2	7	23	15	83	76	120	234	386	392	319
Archuleta	42	0	0	0	0	0	1	2	3	5	7	7	5	12
Baca	64	0	0	0	0	0	0	0	0	1	7	15	20	21
Bent	71	1	0	0	0	0	1	2	2	3	9	12	20	21
Boulder	1,071	27	2	2	0	11	17	43	41	57	118	209	275	269
Chaffee	120	1	0	0	0	1	1	3	3	6	13	25	37	30
Cheyenne	26	1	0	0	0	0	0	0	0	1	2	7	9	6
Clear Creek	33	1	0	0	0	0	1	1	6	4	1	6	10	3
Conejos	49	0	0	0	0	1	1	2	0	3	2	9	23	8
Costilla	23	0	0	0	0	1	0	2	0	4	3	2	6	5
Crowley	31	1	0	0	0	0	1	0	1	0	3	14	4	7
Custer	12	0	1	0	0	0	1	0	0	1	1	4	1	3
Delta	248	5	0	0	0	1	1	4	3	6	20	48	84	76
Denver	4,458	90	15	6	7	20	40	162	204	229	496	892	1,227	1,070
Dolores	11	2	0	0	0	0	0	0	0	0	0	4	3	2
Douglas	171	2	1	0	1	3	2	5	21	12	23	30	39	32
Eagle	53	2	0	1	0	1	1	13	6	2	7	12	4	4
Elbert	43	2	0	0	0	0	0	1	0	2	10	7	15	6
El Paso	2,068	74	8	6	2	21	39	87	81	141	249	432	497	431
Fremont	415	1	0	1	0	3	4	7	7	10	52	95	119	116
Garfield	178	7	1	1	1	2	2	10	6	11	23	30	40	44
Gilpin	13	0	0	0	0	0	0	1	0	0	2	7	3	0
Grand	29	3	0	0	0	1	0	1	0	1	5	9	3	6
Gunnison	52	0	1	2	0	0	1	2	1	4	6	10	15	10
Hinsdale	4	0	0	0	0	0	1	0	0	0	0	1	2	0
Huerfano	68	0	0	1	1	0	1	3	1	1	4	10	21	25
Jackson	16	0	0	0	0	1	1	1	1	0	1	4	0	7
Jefferson	2,419	61	8	5	12	31	28	97	112	148	313	484	586	534
Kiowa	10	0	0	0	0	0	0	0	0	1	2	2	5	0
Kit Carson	70	1	0	0	1	1	0	4	1	4	8	20	15	15
Lake	33	1	0	0	1	0	0	2	1	1	4	11	7	5
La Plata	196	3	0	0	1	1	1	3	7	11	14	43	67	45
Larimer	992	19	5	7	1	8	5	25	21	42	99	203	276	281
Las Animas	162	1	1	0	0	2	0	4	0	10	11	27	55	51
Lincoln	62	1	0	0	0	0	0	2	2	1	7	7	18	24
Logan	181	4	0	0	0	2	1	2	3	6	17	36	62	48
Mesa	848	16	4	3	5	10	6	18	13	38	101	191	234	209
Mineral	6	0	0	0	0	0	0	1	0	0	3	0	1	1
Moffat	81	0	1	1	0	2	0	1	6	5	3	16	26	20
Montezuma	149	6	0	1	1	1	3	5	6	4	16	31	45	30
Montrose	222	1	0	0	0	3	0	4	6	6	29	40	79	54
Morgan	233	6	1	0	1	1	0	6	4	6	21	48	72	67
Otero	237	1	0	0	0	0	2	5	9	9	24	48	59	80
Ouray	18	0	0	0	0	0	0	1	0	0	2	6	3	6
Park	35	0	0	0	0	0	0	3	2	2	8	8	8	4
Phillips	37	0	0	0	0	1	1	0	0	0	3	6	10	16
Pitkin	25	0	0	0	0	3	2	2	5	1	3	4	3	2
Prowers	121	6	0	1	0	4	3	3	1	5	8	27	35	28
Pueblo	1,192	19	4	0	2	10	13	32	31	55	155	265	394	212
Rio Blanco	38	0	0	0	0	0	0	0	2	0	10	6	11	9
Rio Grande	107	3	0	0	1	0	1	3	5	2	5	17	38	32
Routt	47	2	0	0	0	1	0	1	5	7	1	11	9	10
Saguache	27	0	0	0	0	0	1	0	0	1	3	6	12	4
San Juan	2	0	0	0	0	0	0	0	0	0	0	1	0	1
San Miguel	14	0	0	0	0	1	1	0	2	0	2	3	2	3

Place	Total Deaths	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Sedgwick	30	0	0	0	1	0	0	1	0	0	3	5	14	6
Summit	22	1	0	0	0	2	3	4	5	0	1	3	2	1
Teller	52	1	0	0	0	0	2	3	7	4	9	10	11	5
Washington	46	0	0	0	1	0	2	1	2	2	2	11	13	12
Weld	806	22	2	0	5	4	14	18	29	35	103	172	220	182
Yuma	115	1	0	0	0	1	1	2	4	6	9	19	37	35
Planning and Management Regions														
PMR 1	642	11	1	0	3	5	5	12	13	20	55	125	208	184
2	1,798	41	7	7	6	12	19	43	50	77	202	375	496	463
3	11,374	289	39	22	31	104	131	447	539	674	1,407	2,366	2,855	2,470
4	2,155	75	8	6	2	21	41	93	90	147	266	450	516	440
5	201	5	0	0	1	1	0	7	3	8	27	41	57	51
6	534	9	0	1	0	4	7	10	13	19	53	118	143	157
7	1,192	19	4	0	2	10	13	32	31	55	155	265	394	212
8	311	5	1	0	2	4	4	11	8	12	28	54	112	70
9	400	11	0	1	2	2	5	10	16	20	37	86	120	90
10	558	6	1	2	0	5	4	11	12	16	59	108	185	149
11	1,145	23	6	5	6	14	8	29	27	54	137	243	311	282
12	192	8	0	1	0	9	7	22	22	11	18	43	21	30
13	580	3	1	1	1	4	6	12	11	18	70	135	164	154
14	230	1	1	1	1	2	1	7	1	11	15	37	76	76
Metro/Non-Metro														
Denver PMSA	10,257	261	37	20	31	93	113	402	492	613	1,286	2,144	2,567	2,198
Denver CMSA	11,328	288	39	22	31	104	130	445	533	670	1,404	2,353	2,842	2,467
Total Metro	16,386	422	58	35	41	147	201	607	695	943	2,010	3,425	4,229	3,573
Non-Metro	4,926	84	11	12	16	50	50	139	141	199	519	1,021	1,429	1,255
Five-Region Substate Groups														
Front Range	16,386	422	58	35	41	147	201	607	695	943	2,010	3,425	4,229	3,573
Western Slope	2,295	48	7	9	8	30	24	72	77	101	251	480	637	551
Eastern Plains	1,377	25	1	1	4	10	12	29	29	47	135	284	408	392
San Luis Valley	311	5	1	0	2	4	4	11	8	12	28	54	112	70
Eastern Mtns	943	6	2	2	2	6	10	27	27	39	105	203	272	242
Population-Based Regions														
1 Denver	4,458	90	15	6	7	20	40	162	204	229	496	892	1,227	1,070
2 Jefferson	2,419	61	8	5	12	31	28	97	112	148	313	484	586	534
3 Boulder	1,071	27	2	2	0	11	17	43	41	57	118	209	275	269
4 Adams	1,486	49	6	7	4	16	28	55	79	104	220	352	323	243
5 Arapahoe	1,723	59	7	2	7	23	15	83	76	120	234	386	392	319
6 El Paso	2,068	74	8	6	2	21	39	87	81	141	249	432	497	431
7 Larimer	992	19	5	7	1	8	5	25	21	42	99	203	276	281
8 Pueblo	1,192	19	4	0	2	10	13	32	31	55	155	265	394	212
9 Weld	806	22	2	0	5	4	14	18	29	35	103	172	220	182
10 Northwest Reg	1,145	23	6	5	6	14	8	29	27	54	137	243	311	282
11 Western Reg	750	14	1	3	0	14	11	33	34	27	77	151	206	179
12 Eastern Reg	1,377	25	1	1	4	10	12	29	29	47	135	284	408	392
13 Central Reg	884	7	2	1	2	7	11	25	47	40	113	196	235	198
14 Southern Reg	941	17	2	2	5	8	10	28	25	43	80	177	308	236

See inside back cover for descriptions of regions.

Table 88. Deaths by Selected City of Residence: Colorado Residents, 1988

City	County	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Colorado		21,312	506	69	47	57	197	251	746	836	1,142	2,529	4,446	5,658	4,828
Aguilar	Las Animas	10	0	0	0	0	0	0	0	0	2	1	1	4	2
Akron	Washington	20	0	0	0	0	0	0	0	0	2	1	6	6	5
Alamosa	Alamosa	70	1	1	0	0	1	1	3	2	2	6	12	22	19
Arvada	Total	472	20	0	1	1	9	8	19	33	28	67	104	105	77
	Adams	11	0	0	0	0	0	0	1	0	1	2	4	3	0
	Jefferson	461	20	0	1	1	9	8	18	33	27	65	100	102	77
Aurora	Total	948	41	8	1	5	8	10	59	49	75	141	226	176	149
	Adams	180	11	1	0	0	1	3	8	8	13	38	49	28	20
	Arapahoe	768	30	7	1	5	7	7	51	41	62	103	177	148	129
Berthoud	Larimer	33	0	0	0	0	0	0	0	1	0	1	6	11	14
Boulder	Boulder	427	8	0	0	0	1	6	10	18	15	45	67	114	143
Brighton	Total	137	2	0	0	0	1	2	7	1	5	10	30	38	41
	Adams	134	2	0	0	0	1	2	6	1	5	10	30	36	41
	Weld	3	0	0	0	0	0	0	1	0	0	0	0	2	0
Broomfield	Total	78	3	1	2	0	1	0	6	3	9	12	14	12	15
	Adams	20	3	0	2	0	0	0	3	1	3	3	3	0	2
	Boulder	47	0	1	0	0	1	0	1	2	5	8	8	9	12
	Jefferson	11	0	0	0	0	0	0	2	0	1	1	3	3	1
Brush	Morgan	74	1	0	0	1	0	0	2	0	0	6	14	18	32
Burlington	Kit Carson	38	1	0	0	0	0	0	3	1	2	4	8	7	12
Canon City	Fremont	224	1	0	0	0	0	1	2	3	3	26	46	67	75
Castle Rock	Douglas	43	1	0	0	0	1	1	2	3	1	2	5	15	12
Cedaredge	Delta	14	0	0	0	0	0	0	0	1	0	0	4	3	6
Clifton	Mesa	25	1	0	0	0	0	0	0	0	1	5	10	6	2
Colorado Springs	El Paso	1,735	63	7	4	0	13	30	68	61	106	196	360	434	393
Commerce City	Adams	173	8	0	0	0	0	4	8	13	13	30	44	35	18
Cortez	Montezuma	80	1	0	0	1	1	0	5	4	2	6	16	28	16
Craig	Moffat	67	0	1	0	0	2	0	1	5	2	3	13	23	17
Dacono	Weld	17	0	0	0	0	0	3	0	0	1	6	2	4	1
Delta	Delta	68	1	0	0	0	0	0	2	1	2	6	7	24	25
Denver	Denver	4,458	90	15	6	7	20	40	162	204	229	496	892	1,227	1,070
Durango	La Plata	93	0	0	0	0	0	0	1	3	5	4	18	38	24
Edgewater	Jefferson	41	0	0	0	0	0	0	0	1	5	4	13	12	6
Englewood/ Cherry Hills	Arapahoe	390	10	0	1	2	1	5	14	10	16	43	69	119	100
Estes Park	Larimer	40	0	0	0	0	0	0	1	1	1	5	10	12	10
Evans	Weld	30	2	0	0	0	0	0	0	2	1	0	10	10	5
Evergreen	Jefferson	20	0	0	0	0	1	2	1	2	0	6	2	4	2
Federal Heights	Adams	32	0	0	0	0	0	0	1	1	0	3	11	13	3
Florence	Fremont	54	0	0	0	0	0	0	1	0	1	6	10	17	19
Fort Collins	Larimer	428	9	3	5	1	4	2	10	9	16	37	85	121	126
Fort Lupton	Weld	38	1	0	0	1	0	0	2	1	2	6	11	7	7
Fort Morgan	Morgan	98	4	1	0	0	0	0	2	3	2	10	17	32	27
Fountain	El Paso	46	6	0	0	0	2	2	0	4	7	8	10	6	1
Fowler	Otero	30	0	0	0	0	0	0	0	1	2	2	3	12	10
Fruita	Mesa	54	1	0	0	0	0	0	1	2	2	3	8	22	15
Glenwood Springs	Garfield	36	4	0	0	0	0	0	1	2	0	4	7	8	10
Golden	Jefferson	159	3	2	0	0	3	2	13	8	9	18	35	36	30
Grand Junction	Mesa	442	6	3	2	2	3	4	8	6	18	54	92	122	122
Greeley	Weld	418	11	2	0	1	1	8	10	13	12	47	78	117	118
Gunnison	Gunnison	33	0	0	0	0	0	0	1	1	1	3	6	14	7
Haxtun	Phillips	11	0	0	0	0	1	1	0	2	1	1	4	0	1
Holyoke	Phillips	21	0	0	0	0	0	1	0	0	0	1	4	8	7
Julesburg	Sedgwick	18	0	0	0	0	0	0	1	0	0	3	2	8	4
La Junta	Otero	80	1	0	0	0	0	1	0	3	3	8	16	20	28
Lafayette	Boulder	57	2	0	0	0	0	1	5	2	0	5	16	16	10

City	County	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Lakewood	Jefferson	959	14	5	1	1	4	9	41	34	53	121	200	238	238
Lamar	Prowers	72	4	0	0	0	4	3	1	1	2	3	19	23	12
Las Animas	Bent	48	1	0	0	0	0	0	1	0	2	7	7	13	17
Leadville	Lake	28	1	0	0	1	0	0	1	1	1	4	10	5	4
Limon	Lincoln	31	0	0	0	0	0	0	1	0	1	1	4	9	15
Littleton	Total	263	6	0	0	0	3	2	4	11	15	35	66	77	44
	Arapahoe	243	5	0	0	0	3	2	3	10	14	30	62	74	40
	Douglas	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jefferson	20	1	0	0	0	0	0	1	1	1	5	4	3	4
Longmont	Boulder	350	9	0	1	0	7	7	20	11	19	35	62	100	79
Louisville	Boulder	44	4	0	0	0	0	0	1	0	1	6	12	10	10
Loveland	Larimer	282	5	1	1	0	1	2	9	5	10	31	56	81	80
Manitou Springs	El Paso	36	1	0	0	0	0	0	2	2	4	5	6	8	8
Meeker	Rio Blanco	23	0	0	0	0	0	0	0	1	0	5	3	6	8
Monte Vista	Rio Grande	44	2	0	0	0	0	0	2	3	0	2	5	22	8
Montrose	Montrose	120	1	0	0	0	1	0	1	4	2	14	24	38	35
Morrison	Jefferson	25	1	0	0	0	0	0	0	2	0	0	2	8	12
Northglenn	Adams	180	11	1	0	0	1	3	8	8	13	38	49	28	20
Olathe	Montrose	15	0	0	0	0	0	0	1	0	0	1	1	8	4
Ordway	Crowley	18	0	0	0	0	0	0	0	1	0	1	8	2	6
Palisade	Mesa	33	0	0	0	0	0	0	1	0	0	4	5	15	8
Paonia	Delta	28	0	0	0	0	0	0	1	1	0	0	4	9	13
Pueblo	Pueblo	1,068	18	3	0	1	8	9	28	27	47	139	235	362	191
Rifle	Garfield	56	2	0	1	1	0	1	1	1	1	9	6	13	20
Rocky Ford	Otero	64	0	0	0	0	0	0	2	1	2	5	15	15	24
Salida	Chaffee	71	1	0	0	0	0	1	3	2	2	7	14	19	22
Springfield	Baca	35	0	0	0	0	0	0	0	0	0	4	5	11	15
Sterling	Logan	131	3	0	0	0	1	1	1	1	5	11	24	46	38
Thornton	Adams	220	10	2	1	0	3	4	11	21	14	23	33	50	48
Trinidad	Las Animas	114	1	1	0	0	2	0	3	0	6	8	19	35	39
Walsenberg	Huerfano	43	0	0	1	1	0	0	2	1	0	2	7	13	16
Westminster	Total	223	7	1	3	1	7	5	5	10	19	40	46	45	34
	Adams	187	3	0	2	1	6	4	4	9	13	31	42	38	34
	Jefferson	36	4	1	1	0	1	1	1	1	6	9	4	7	0
Wheat Ridge	Jefferson	320	2	0	0	3	3	1	9	11	10	32	52	90	107
Windsor	Weld	30	0	0	0	0	0	0	0	1	1	3	6	10	9
Wray	Yuma	42	0	0	0	0	0	0	1	0	3	5	9	12	12
Yuma	Yuma	43	0	0	0	0	1	1	1	1	1	0	7	15	16

Counts are presented as reported on certificates of death.

Table 89. Deaths and Death Rates for Selected Age Groups by Sex by County and Region: Colorado Residents, 1988

Place	Male										Female									
	1-14		15-24		25-44		45-64		65+		1-14		15-24		25-44		45-64		65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Colorado	102	0.3	306	1.1	1,112	1.9	2,215	7.8	7,020	54.4	71	0.2	142	0.6	470	0.8	1,456	4.9	7912	42.8
Adams	10	0.3	34	1.9	92	2.0	196	8.2	442	47.6	7	0.2	10	0.5	42	0.9	128	5.1	476	39.3
Alamosa	2	1.2	3	2.7	5	2.4	7	7.6	33	66.3	0	0.0	0	0.0	1	0.5	7	6.8	39	55.0
Arapahoe	8	0.2	26	1.2	113	1.5	209	6.0	490	42.4	8	0.2	12	0.6	46	0.6	145	4.1	607	38.9
Archuleta	0	0.0	1	2.5	3	4.2	7	14.8	11	48.2	0	0.0	0	0.0	2	2.7	5	9.9	13	56.8
Baca	0	0.0	0	0.0	0	0.0	3	7.0	27	75.0	0	0.0	0	0.0	0	0.0	5	10.7	29	61.3
Bent	0	0.0	0	0.0	1	1.4	7	11.1	24	56.7	0	0.0	1	2.8	3	4.1	5	9.1	29	64.3
Boulder	2	0.1	20	0.9	54	1.3	100	5.6	303	46.6	2	0.1	8	0.4	30	0.8	75	4.2	450	45.8
Chaffee	0	0.0	2	1.5	5	2.7	12	11.2	37	48.9	0	0.0	0	0.0	1	0.6	7	6.7	55	51.8
Cheyenne	0	0.0	0	0.0	0	0.0	3	16.4	12	83.3	0	0.0	0	0.0	0	0.0	0	0.0	10	56.5
Clear Creek	0	0.0	0	0.0	4	2.5	3	4.4	6	31.6	0	0.0	1	2.9	3	2.3	2	3.3	13	51.4
Conejos	0	0.0	2	3.2	1	0.9	4	6.1	18	43.3	0	0.0	0	0.0	1	0.9	1	1.4	22	42.5
Costilla	0	0.0	1	4.6	2	3.7	6	22.1	7	31.0	0	0.0	0	0.0	0	0.0	1	3.2	6	22.6
Crowley	0	0.0	1	2.8	1	0.9	1	3.0	15	56.6	0	0.0	0	0.0	0	0.0	2	5.8	10	29.4
Custer	1	3.9	1	10.6	0	0.0	0	0.0	1	11.0	0	0.0	0	0.0	0	0.0	2	10.2	7	59.3
Delta	0	0.0	1	0.6	3	1.0	15	7.8	110	58.0	0	0.0	1	0.6	4	1.4	11	5.4	98	39.0
Denver	16	0.3	37	1.0	279	3.2	433	10.7	1,418	59.5	12	0.3	23	0.6	87	1.0	292	6.5	1771	44.8
Dolores	0	0.0	0	0.0	0	0.0	0	0.0	5	53.2	0	0.0	0	0.0	0	0.0	0	0.0	4	37.4
Douglas	1	0.2	2	0.5	17	1.7	20	5.7	45	51.0	1	0.2	3	0.8	9	1.0	15	4.4	56	50.5
Eagle	1	0.5	2	1.0	14	2.7	7	6.5	12	53.6	0	0.0	0	0.0	5	1.2	2	2.1	8	34.8
Elbert	0	0.0	0	0.0	1	0.6	8	9.6	13	42.8	0	0.0	0	0.0	0	0.0	4	5.4	15	40.8
El Paso	7	0.2	41	0.9	117	1.8	238	7.5	650	53.4	9	0.2	19	0.5	51	0.8	152	4.3	710	39.8
Fremont	1	0.4	5	1.9	10	2.1	40	15.8	164	68.7	0	0.0	2	0.9	4	1.0	22	8.1	166	47.8
Garfield	1	0.3	0	0.0	11	2.2	23	10.6	54	51.2	2	0.7	4	2.4	5	1.1	11	5.4	60	38.7
Gilpin	0	0.0	0	0.0	0	0.0	1	3.8	7	89.7	0	0.0	0	0.0	1	2.1	1	4.5	3	29.1
Grand	0	0.0	0	0.0	1	0.5	5	6.8	11	48.2	0	0.0	1	1.5	0	0.0	1	1.5	7	28.0
Gunnison	1	1.1	1	0.4	2	0.9	4	5.2	17	68.3	2	2.2	0	0.0	1	0.6	6	8.4	18	59.8
Hinsdale	0	0.0	1	34.5	0	0.0	0	0.0	2	83.3	0	0.0	0	0.0	0	0.0	0	0.0	1	71.4
Huerfano	0	0.0	1	2.2	2	1.8	3	5.3	27	54.5	2	2.8	0	0.0	2	2.0	2	3.0	29	40.9
Jackson	0	0.0	2	18.2	2	9.1	1	4.8	4	58.8	0	0.0	0	0.0	0	0.0	0	0.0	7	85.4
Jefferson	17	0.4	39	1.3	142	1.8	273	6.4	709	51.0	8	0.2	20	0.7	67	0.9	188	4.4	895	47.6
Kiowa	0	0.0	0	0.0	0	0.0	2	10.6	4	27.4	0	0.0	0	0.0	0	0.0	1	4.6	3	17.6
Kit Carson	0	0.0	1	2.1	3	2.7	11	15.4	27	55.0	1	1.2	0	0.0	2	1.8	1	1.3	23	36.4
Lake	1	1.4	0	0.0	2	1.8	4	6.5	15	73.2	0	0.0	0	0.0	1	1.0	1	1.8	8	33.6
La Plata	1	0.3	0	0.0	9	1.7	20	8.4	89	73.9	0	0.0	2	0.8	1	0.2	5	2.1	66	40.9
Larimer	7	0.4	11	0.6	37	1.2	80	6.0	357	52.9	6	0.4	2	0.1	9	0.3	61	4.4	403	40.8
Las Animas	1	0.7	2	2.2	3	1.4	14	12.2	66	60.4	0	0.0	0	0.0	1	0.5	7	5.1	67	42.4
Lincoln	0	0.0	0	0.0	3	4.6	4	8.9	25	75.1	0	0.0	0	0.0	1	1.6	4	8.0	24	50.3
Logan	0	0.0	0	0.0	2	0.7	12	7.0	72	64.8	0	0.0	3	2.4	3	1.0	11	5.7	74	47.3
Mesa	10	1.0	11	1.8	22	1.5	85	11.3	310	64.2	2	0.2	5	0.8	9	0.6	54	6.9	324	47.2
Mineral	0	0.0	0	0.0	1	10.9	3	34.9	1	35.7	0	0.0	0	0.0	0	0.0	0	0.0	1	22.2
Moffat	1	0.7	1	2.1	5	2.7	6	5.1	22	57.9	1	0.7	1	1.9	2	1.1	2	1.9	40	83.9
Montezuma	2	1.0	2	1.8	7	3.2	12	7.6	57	63.8	0	0.0	2	1.8	4	1.7	8	4.9	49	40.1
Montrose	0	0.0	2	1.1	4	1.0	24	9.7	96	61.8	0	0.0	1	0.6	6	1.5	11	4.2	77	37.9
Morgan	1	0.4	1	0.7	1	0.3	16	8.0	95	72.8	1	0.4	0	0.0	9	2.7	11	5.2	92	51.1
Otero	0	0.0	1	0.6	8	2.8	22	11.3	94	68.6	0	0.0	1	0.7	6	2.0	11	5.2	93	45.4
Ouray	0	0.0	0	0.0	1	3.4	2	10.8	9	79.6	0	0.0	0	0.0	0	0.0	0	0.0	6	43.8
Park	0	0.0	0	0.0	5	4.9	5	8.5	12	63.5	0	0.0	0	0.0	0	0.0	5	9.6	8	38.1
Phillips	0	0.0	2	7.2	0	0.0	1	2.5	20	56.3	0	0.0	0	0.0	0	0.0	2	4.6	12	23.6
Pitkin	0	0.0	3	2.5	6	1.7	2	1.9	5	23.7	0	0.0	2	1.8	1	0.3	2	2.3	4	17.6
Prowers	0	0.0	5	5.5	2	1.0	7	6.4	45	69.1	1	0.6	2	2.3	2	1.0	6	4.8	45	46.1
Pueblo	5	0.4	18	1.6	46	2.4	132	11.2	447	59.9	1	0.1	5	0.5	17	0.9	78	6.0	424	40.4
Rio Blanco	0	0.0	0	0.0	1	1.1	7	12.1	70	50.8	0	0.0	0	0.0	1	1.2	3	5.4	16	59.5
Rio Grande	1	0.7	1	1.3	4	2.3	2	2.1	51	76.8	0	0.0	0	0.0	4	2.4	5	4.7	36	43.5
Routt	0	0.0	1	1.0	2	0.6	7	6.3	17	59.6	0	0.0	0	0.0	4	1.3	1	1.1	13	33.7
Saguache	0	0.0	1	3.9	0	0.0	3	8.9	13	59.1	0	0.0	0	0.0	0	0.0	1	2.8	9	30.0
San Juan	0	0.0	0	0.0	0	0.0	0	0.0	1	62.5	0	0.0	0	0.0	0	0.0	0	0.0	1	83.3
San Miguel	0	0.0	2	4.9	1	1.0	1	3.8	3	44.1	0	0.0	0	0.0	1	1.2	1	5.2	5	55.6

Place	Male 1-14 No.	Male 1-14 Rate	Male 15-24 No.	Male 15-24 Rate	Male 25-44 No.	Male 25-44 Rate	Male 45-64 No.	Male 45-64 Rate	Male 65+ No.	Male 65+ Rate	Female 1-14 No.	Female 1-14 Rate	Female 15-24 No.	Female 15-24 Rate	Female 25-44 No.	Female 25-44 Rate	Female 45-64 No.	Female 45-64 Rate	Female 65+ No.	Female 65+ Rate
Sedgwick	1	3.6	0	0.0	1	2.6	2	6.8	17	65.4	0	0.0	0	0.0	0	0.0	1	3.0	8	24.2
Summit	0	0.0	5	3.4	9	2.3	1	1.4	3	29.4	0	0.0	0	0.0	0	0.0	0	0.0	3	32.6
Teller	0	0.0	1	1.1	7	3.7	8	7.8	11	28.3	0	0.0	1	1.2	3	1.5	5	5.1	15	32.3
Washington	0	0.0	1	3.0	2	2.7	1	2.0	20	53.5	1	1.9	1	3.7	1	1.5	3	5.5	16	36.0
Weld	3	0.2	9	0.7	32	1.4	80	7.1	284	51.3	4	0.3	9	0.6	15	0.7	58	5.0	290	37.7
Yuma	0	0.0	2	3.2	4	2.9	10	11.1	48	75.5	0	0.0	0	0.0	2	1.5	5	5.2	43	49.9
Planning and Management Regions																				
PMR 1	2	0.3	6	1.4	10	1.1	42	7.2	272	67.3	2	0.3	4	1.0	15	1.6	33	5.2	245	44.5
2	10	0.3	20	0.6	69	1.3	160	6.5	641	52.2	10	0.3	11	0.3	24	0.5	119	4.7	693	39.4
3	54	0.3	158	1.2	701	2.0	1,235	7.5	3,420	51.6	38	0.2	77	0.6	285	0.8	846	5.0	4,271	43.9
4	7	0.2	42	0.9	129	1.9	251	7.5	673	52.8	9	1.3	20	5.1	54	5.8	162	25.6	733	133.1
5	0	0.0	1	0.6	7	1.8	26	11.9	77	60.5	1	0.0	0	0.0	3	0.1	9	0.4	72	4.1
6	0	0.0	7	1.9	12	1.6	42	9.1	209	65.0	1	0.0	4	0.0	11	0.0	30	0.2	209	2.1
7	5	0.4	18	1.6	46	2.4	132	11.2	447	59.9	1	0.1	5	1.3	17	1.8	78	12.3	424	77.0
8	3	0.6	8	2.7	13	2.1	25	7.8	123	59.9	0	0.0	0	0.0	6	0.1	15	0.6	113	6.4
9	3	0.5	3	0.7	19	2.2	39	8.4	163	66.9	0	0.0	4	0.0	7	0.0	18	0.1	133	1.4
10	1	0.1	7	1.1	11	1.1	46	8.2	237	60.7	2	0.3	2	0.5	12	1.3	29	4.6	205	37.2
11	12	0.8	12	1.4	39	1.8	121	10.6	396	61.3	5	0.2	10	0.3	17	0.3	70	2.7	440	25.0
12	1	0.1	13	2.0	34	1.8	23	4.7	52	46.5	0	0.0	3	0.0	10	0.0	6	0.0	42	0.4
13	3	0.6	8	1.8	17	2.1	56	12.8	217	63.1	0	0.0	2	0.5	6	0.6	32	5.1	236	42.9
14	1	0.4	3	2.2	5	1.5	17	10.0	93	58.6	2	0.1	0	0.0	3	0.1	9	0.4	96	5.5
Metro/Non-Metro																				
Denver PMSA	52	0.3	138	1.3	643	2.1	1,131	7.8	3,104	52.2	36	0.2	68	0.6	251	0.8	768	5.1	3,805	43.7
Denver CMSA	54	0.3	158	1.2	697	2.0	1,231	7.6	3,407	51.7	38	0.2	76	0.6	281	0.8	843	5.0	4,255	43.9
Total Metro	76	0.3	237	1.1	929	1.9	1,761	7.6	5,145	52.6	58	0.2	111	0.5	373	0.8	1,192	4.9	6,082	42.6
Non-Metro	26	0.4	69	1.5	183	1.8	454	8.9	1,875	61.7	13	0.2	31	0.7	97	1.0	264	5.1	1,830	44.4
Five-Region Substate Groups																				
Front Range	76	0.3	237	1.1	929	1.9	1,761	7.6	5,145	52.6	58	0.2	111	0.5	373	0.8	1,192	4.9	6,082	42.6
West Slope	17	0.5	35	1.3	103	1.7	229	8.6	848	60.9	7	0.0	19	0.1	46	0.1	123	0.3	820	3.8
East Plains	2	0.1	14	1.5	29	1.4	110	8.7	558	65.4	4	0.0	8	0.0	29	0.1	72	0.4	526	4.4
San Luis Val	3	0.6	8	2.7	13	2.1	25	7.8	123	59.9	0	0.0	0	0.0	6	0.1	15	0.6	113	6.4
Eastern Mtns	4	0.4	12	1.6	38	2.3	90	10.4	346	58.9	2	0.2	4	0.6	16	1.1	54	6.1	371	45.2
Population-Based Regions																				
1 Denver	16	0.3	37	1.0	279	3.2	433	10.7	1,418	59.5	12	0.3	23	0.6	87	1.0	292	6.5	1,771	44.8
2 Jefferson	17	0.4	39	1.3	142	1.8	273	6.4	709	51.0	8	0.2	20	0.7	67	0.9	188	4.4	895	47.6
3 Boulder	2	0.1	20	0.9	54	1.3	100	5.6	303	46.6	2	0.1	8	0.4	30	0.8	75	4.2	450	45.8
4 Adams	10	0.3	34	1.9	92	2.0	196	8.2	442	47.6	7	0.2	10	0.5	42	0.9	128	5.1	476	39.3
5 Arapahoe	8	0.2	26	1.2	113	1.5	209	6.0	490	42.4	8	0.2	12	0.6	46	0.6	145	4.1	607	38.9
6 El Paso	7	0.2	41	0.9	117	1.8	238	7.5	650	53.4	9	0.2	19	0.5	51	0.8	152	4.3	710	39.8
7 Larimer	7	0.4	11	0.6	37	1.2	80	6.0	357	52.9	6	0.4	2	0.1	9	0.3	61	4.4	403	40.8
8 Pueblo	5	0.4	18	1.6	46	2.4	132	11.2	447	59.9	1	0.1	5	0.5	17	0.9	78	6.0	424	40.4
9 Weld	3	0.2	9	0.7	32	1.4	80	7.1	284	51.3	4	0.3	9	0.6	15	0.7	58	5.0	290	37.7
10 Northwest	12	0.8	12	1.4	39	1.8	121	10.6	396	61.3	5	0.4	10	1.2	17	0.8	70	6.1	440	48.0
11 Western	2	0.1	20	1.5	45	1.6	69	6.5	289	57.5	2	0.2	5	0.5	22	0.9	35	3.5	247	38.9
12 Eastern	2	0.1	14	1.5	29	1.4	110	8.7	558	65.4	4	0.3	8	0.9	29	1.4	72	5.3	526	45.3
13 Central	4	0.3	11	1.1	50	2.2	93	8.9	298	57.7	1	0.1	7	0.8	22	1.1	60	5.9	331	47.1
14 Southern	7	0.5	14	1.6	37	2.0	81	8.4	379	62.4	2	0.2	4	0.5	16	0.9	42	4.1	342	42.0

Rates are per 1,000 population. Rates based on few actual cases must be viewed with caution.
See inside back cover for descriptions of regions.

Table 90. Deaths by Race, Spanish Origin and Sex by County and Region: Colorado Residents, 1988

Place	All Races			Total White			Anglo White			Spanish Surname White			Total Non-White		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Colorado	21,312	11,057	10,255	20,412	10,582	9,830	18,850	9,633	9,217	1,562	949	613	896	473	423
Adams	1,486	801	685	1,437	779	658	1,299	693	606	138	86	52	49	22	27
Alamosa	99	51	48	98	50	48	70	39	31	28	11	17	1	1	0
Arapahoe	1,723	878	845	1,650	841	809	1,608	820	788	42	21	21	73	37	36
Archuleta	42	22	20	42	22	20	31	18	13	11	4	7	0	0	0
Baca	64	30	34	64	30	34	61	29	32	3	1	2	0	0	0
Bent	71	32	39	70	31	39	65	27	38	5	4	1	1	1	0
Boulder	1,071	496	575	1,061	490	571	1,020	469	551	41	21	20	10	6	4
Chaffee	120	57	63	119	57	62	113	55	58	6	2	4	1	0	1
Cheyenne	26	16	10	26	16	10	25	15	10	1	1	0	0	0	0
Clear Creek	33	14	19	32	13	19	32	13	19	0	0	0	1	1	0
Conejos	49	25	24	49	25	24	19	8	11	30	17	13	0	0	0
Costilla	23	16	7	23	16	7	6	4	2	17	12	5	0	0	0
Crowley	31	19	12	31	19	12	22	12	10	9	7	2	0	0	0
Custer	12	3	9	12	3	9	12	3	9	0	0	0	0	0	0
Delta	248	131	117	248	131	117	242	129	113	6	2	4	0	0	0
Denver	4,458	2,239	2,219	3,918	1,945	1,973	3,481	1,663	1,818	437	282	155	538	292	246
Dolores	11	5	6	11	5	6	11	5	6	0	0	0	0	0	0
Douglas	171	86	85	169	86	83	166	84	82	3	2	1	2	0	2
Eagle	53	37	16	53	37	16	48	33	15	5	4	1	0	0	0
Elbert	43	24	19	43	24	19	43	24	19	0	0	0	0	0	0
El Paso	2,068	1,098	970	1,961	1,045	916	1,879	993	886	82	52	30	107	53	54
Fremont	415	221	194	414	220	194	398	208	190	16	12	4	1	1	0
Garfield	178	92	86	176	92	84	174	90	84	2	2	0	2	0	2
Gilpin	13	8	5	13	8	5	13	8	5	0	0	0	0	0	0
Grand	29	20	9	29	20	9	28	19	9	1	1	0	0	0	0
Gunnison	52	25	27	52	25	27	52	25	27	0	0	0	0	0	0
Hinsdale	4	3	1	4	3	1	4	3	1	0	0	0	0	0	0
Huerfano	68	33	35	68	33	35	52	20	32	16	13	3	0	0	0
Jackson	16	9	7	16	9	7	16	9	7	0	0	0	0	0	0
Jefferson	2,419	1,221	1,198	2,386	1,207	1,179	2,301	1,160	1,141	85	47	38	32	14	18
Kiowa	10	6	4	10	6	4	10	6	4	0	0	0	0	0	0
Kit Carson	70	43	27	70	43	27	70	43	27	0	0	0	0	0	0
Lake	33	23	10	33	23	10	31	22	9	2	1	1	0	0	0
La Plata	196	120	76	191	118	73	179	111	68	12	7	5	5	2	3
Larimer	992	505	487	987	504	483	954	483	471	33	21	12	5	1	4
Las Animas	162	87	75	160	86	74	101	53	48	59	33	26	2	1	1
Lincoln	62	33	29	62	33	29	62	33	29	0	0	0	0	0	0
Logan	181	87	94	180	86	94	175	83	92	5	3	2	1	1	0
Mesa	848	445	403	840	442	398	806	427	379	34	15	19	8	3	5
Mineral	6	5	1	6	5	1	6	5	1	0	0	0	0	0	0
Moffat	81	35	46	81	35	46	77	32	45	4	3	1	0	0	0
Montezuma	149	84	65	132	73	59	128	71	57	4	2	2	17	11	6
Montrose	222	127	95	220	126	94	200	116	84	20	10	10	2	1	1
Morgan	233	118	115	231	117	114	217	110	107	14	7	7	1	1	0
Otero	237	125	112	236	124	112	201	103	98	35	21	14	1	1	0
Ouray	18	12	6	18	12	6	18	12	6	0	0	0	0	0	0
Park	35	22	13	35	22	13	35	22	13	0	0	0	0	0	0
Phillips	37	23	14	37	23	14	37	23	14	0	0	0	0	0	0
Pitkin	25	16	9	24	15	9	24	15	9	0	0	0	1	1	0
Prowers	121	62	59	121	62	59	109	55	54	12	7	5	0	0	0
Pueblo	1,192	659	533	1,163	641	522	932	497	435	231	144	87	29	18	11
Rio Blanco	38	18	20	38	18	20	38	18	20	0	0	0	0	0	0
Rio Grande	107	61	46	107	61	46	81	43	38	26	18	8	0	0	0
Routt	47	28	19	46	27	19	46	27	19	0	0	0	1	1	0
Saguache	27	17	10	27	17	10	19	11	8	8	6	2	0	0	0
San Juan	2	1	1	2	1	1	1	0	1	1	1	0	0	0	0
San Miguel	14	7	7	14	7	7	13	6	7	1	1	0	0	0	0

Place	All Races			Total White			Anglo White			Spanish Surname White			Total Non-White		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Sedgwick	30	21	9	30	21	9	30	21	9	0	0	0	0	0	0
Summit	22	19	3	21	18	3	21	18	3	0	0	0	1	1	0
Teller	52	28	24	52	28	24	49	26	23	3	2	1	0	0	0
Washington	46	24	22	46	24	22	46	24	22	0	0	0	0	0	0
Weld	806	419	387	802	417	385	730	375	355	72	42	30	4	2	2
Yuma	115	65	50	115	65	50	113	64	49	2	1	1	0	0	0
Planning and Management Regions															
PMR 1	642	338	304	639	336	303	618	325	293	21	11	10	2	2	0
2	1,798	924	874	1,789	921	868	1,684	858	826	105	63	42	9	3	6
3	11,374	5,743	5,631	10,666	5,369	5,297	9,920	4,910	5,010	746	459	287	705	372	333
4	2,155	1,148	1,007	2,048	1,095	953	1,963	1,041	922	85	54	31	107	53	54
5	201	116	85	201	116	85	200	115	85	1	1	0	0	0	0
6	534	274	260	532	272	260	468	232	236	64	40	24	2	2	0
7	1,192	659	533	1,163	641	522	932	497	435	231	144	87	29	18	11
8	311	175	136	310	174	136	201	110	91	109	64	45	1	1	0
9	400	232	168	378	219	159	350	205	145	28	14	14	22	13	9
10	558	305	253	556	304	252	529	291	238	27	13	14	2	1	1
11	1,145	590	555	1,135	587	548	1,095	567	528	40	20	20	10	3	7
12	192	129	63	189	126	63	183	121	62	6	5	1	3	3	0
13	580	304	276	578	303	275	554	288	266	24	15	9	2	1	1
14	230	120	110	228	119	109	153	73	80	75	46	29	2	1	1
Metro/Non-Metro															
Denver PMSA	10,257	5,225	5,032	9,560	4,858	4,702	8,855	4,420	4,435	705	438	267	694	365	329
Denver CMSA	11,328	5,721	5,607	10,621	5,348	5,273	9,375	4,889	4,986	746	459	287	704	371	333
Total Metro	16,386	8,402	7,984	15,534	7,955	7,579	14,370	7,237	7,133	1,164	718	446	849	445	404
Non-Metro	4,926	2,655	2,271	4,878	2,627	2,251	4,480	2,396	2,084	398	231	167	47	28	19
Five-Region Substate Groups															
Front Range	16,386	8,402	7,984	15,534	7,955	7,579	14,370	7,237	7,133	1,164	718	446	849	445	404
West Slope	2,295	1,256	1,039	2,258	1,236	1,022	2,157	1,184	973	101	52	49	37	20	17
East Plains	1,377	728	649	1,372	724	648	1,286	672	614	86	52	34	4	4	0
San Luis Val	311	175	136	310	174	136	201	110	91	109	64	45	1	1	0
Eastern Mtns	943	496	447	938	493	445	836	430	406	102	63	39	5	3	2
Population-Based Regions															
1 Denver	4,458	2,239	2,219	3,918	1,945	1,973	3,481	1,663	1,818	437	282	155	538	292	246
2 Jefferson	2,419	1,221	1,198	2,386	1,207	1,179	2,301	1,160	1,141	85	47	38	32	14	18
3 Boulder	1,071	496	575	1,061	490	571	1,020	469	551	41	21	20	10	6	4
4 Adams	1,486	801	685	1,437	779	658	1,299	693	606	138	86	52	49	22	27
5 Arapahoe	1,723	878	845	1,650	841	809	1,608	820	788	42	21	21	73	37	36
6 El Paso	2,068	1,098	970	1,961	1,045	916	1,879	993	886	82	52	30	107	53	54
7 Larimer	992	505	487	987	504	483	954	483	471	33	21	12	5	1	4
8 Pueblo	1,192	659	533	1,163	641	522	932	497	435	231	144	87	29	18	11
9 Weld	806	419	387	802	417	385	730	375	355	72	42	30	4	2	2
10 Northwest	1,145	590	555	1,135	587	548	1,095	567	528	40	20	20	10	3	7
11 Western	750	434	316	745	430	315	712	412	300	33	18	15	5	4	1
12 Eastern	1,377	728	649	1,372	724	648	1,286	672	614	86	52	34	4	4	0
13 Central	884	462	422	879	460	419	849	441	408	30	19	11	5	2	3
14 Southern	941	527	414	916	512	404	704	388	316	212	124	88	25	15	10

Table 90, Continued.

Place	Black			Native American			Asian			Spanish Origin		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Colorado	710	382	328	57	32	25	129	59	70	1,368	814	554
Adams	29	15	14	0	0	0	20	7	13	99	60	39
Alamosa	0	0	0	0	0	0	1	1	0	29	11	18
Arapahoe	54	28	26	1	0	1	18	9	9	26	10	16
Archuleta	0	0	0	0	0	0	0	0	0	10	5	5
Baca	0	0	0	0	0	0	0	0	0	3	1	2
Bent	1	1	0	0	0	0	0	0	0	2	1	1
Boulder	3	2	1	2	1	1	5	3	2	37	20	17
Chaffee	0	0	0	1	0	1	0	0	0	5	3	2
Cheyenne	0	0	0	0	0	0	0	0	0	1	1	0
Clear Creek	1	1	0	0	0	0	0	0	0	1	0	1
Conejos	0	0	0	0	0	0	0	0	0	26	13	13
Costilla	0	0	0	0	0	0	0	0	0	15	12	3
Crowley	0	0	0	0	0	0	0	0	0	8	6	2
Custer	0	0	0	0	0	0	0	0	0	0	0	0
Delta	0	0	0	0	0	0	0	0	0	5	0	5
Denver	476	255	221	16	10	6	46	27	19	411	257	154
Dolores	0	0	0	0	0	0	0	0	0	0	0	0
Douglas	1	0	1	0	0	0	1	0	1	4	2	2
Eagle	0	0	0	0	0	0	0	0	0	4	3	1
Elbert	0	0	0	0	0	0	0	0	0	1	1	0
El Paso	95	50	45	2	0	2	10	3	7	73	44	29
Fremont	1	1	0	0	0	0	0	0	0	13	7	6
Garfield	0	0	0	0	0	0	2	0	2	3	3	0
Gilpin	0	0	0	0	0	0	0	0	0	0	0	0
Grand	0	0	0	0	0	0	0	0	0	0	0	0
Gunnison	0	0	0	0	0	0	0	0	0	1	0	1
Hinsdale	0	0	0	0	0	0	0	0	0	0	0	0
Huerfano	0	0	0	0	0	0	0	0	0	19	14	5
Jackson	0	0	0	0	0	0	0	0	0	3	3	0
Jefferson	14	8	6	1	0	1	17	6	11	80	45	35
Kiowa	0	0	0	0	0	0	0	0	0	0	0	0
Kit Carson	0	0	0	0	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0	0	0	0	0
La Plata	0	0	0	5	2	3	0	0	0	5	4	1
Larimer	0	0	0	0	0	0	5	1	4	16	10	6
Las Animas	1	0	1	1	1	0	0	0	0	60	32	28
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0
Logan	1	1	0	0	0	0	0	0	0	4	2	2
Mesa	3	1	2	4	2	2	1	0	1	22	11	11
Mineral	0	0	0	0	0	0	0	0	0	0	0	0
Moffat	0	0	0	0	0	0	0	0	0	1	1	0
Montezuma	0	0	0	17	11	6	0	0	0	3	2	1
Montrose	1	0	1	1	1	0	0	0	0	16	8	8
Morgan	0	0	0	1	1	0	0	0	0	15	6	9
Otero	0	0	0	1	1	0	0	0	0	33	20	13
Ouray	0	0	0	0	0	0	0	0	0	0	0	0
Park	0	0	0	0	0	0	0	0	0	0	0	0
Phillips	0	0	0	0	0	0	0	0	0	0	0	0
Pitkin	0	0	0	1	1	0	0	0	0	0	0	0
Prowers	0	0	0	0	0	0	0	0	0	10	6	4
Pueblo	26	17	9	3	1	2	0	0	0	210	129	81
Rio Blanco	0	0	0	0	0	0	0	0	0	0	0	0
Rio Grande	0	0	0	0	0	0	0	0	0	20	14	6
Routt	1	1	0	0	0	0	0	0	0	0	0	0
Saguache	0	0	0	0	0	0	0	0	0	7	5	2
San Juan	0	0	0	0	0	0	0	0	0	0	0	0
San Miguel	0	0	0	0	0	0	0	0	0	0	0	0

Place	Black			Native American			Asian			Spanish Origin		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Sedgwick	0	0	0	0	0	0	0	0	0	0	0	0
Summit	0	0	0	0	0	0	1	1	0	0	0	0
Teller	0	0	0	0	0	0	0	0	0	1	1	0
Washington	0	0	0	0	0	0	0	0	0	0	0	0
Weld	2	1	1	0	0	0	2	1	1	64	40	24
Yuma	0	0	0	0	0	0	0	0	0	2	1	1
Planning and Management Regions												
PMR 1	1	1	0	1	1	0	0	0	0	21	9	12
2	2	1	1	0	0	0	7	2	5	80	50	30
3	578	309	269	20	11	9	107	52	55	658	394	264
4	95	50	45	2	0	2	10	3	7	74	45	29
5	0	0	0	0	0	0	0	0	0	2	2	0
6	1	1	0	1	1	0	0	0	0	56	34	22
7	26	17	9	3	1	2	0	0	0	210	129	81
8	0	0	0	0	0	0	1	1	0	97	55	42
9	0	0	0	22	13	9	0	0	0	18	11	7
10	1	0	1	1	1	0	0	0	0	22	8	14
11	3	1	2	4	2	2	3	0	3	26	15	11
12	1	1	0	1	1	0	1	1	0	7	6	1
13	1	1	0	1	0	1	0	0	0	18	10	8
14	1	0	1	1	1	0	0	0	0	79	46	33
Metro/Non-Metro												
Denver PMSA	574	306	268	18	10	8	102	49	53	620	374	246
Denver CMSA	577	308	269	20	11	9	107	52	55	657	394	263
Total Metro	700	376	324	25	12	13	124	57	67	1,020	617	403
Non-Metro	10	6	4	32	20	12	5	2	3	348	197	151
Five-Region Substate Groups												
Front Range	700	376	324	25	12	13	124	57	67	1,020	617	403
West Slope	5	2	3	28	17	11	4	1	3	73	40	33
East Plains	2	2	0	2	2	0	0	0	0	79	45	34
San Luis Val	0	0	0	0	0	0	1	1	0	97	55	42
Eastern Mtns	3	2	1	2	1	1	0	0	0	99	57	42
Population-Based Regions												
1 Denver	476	255	221	16	10	6	46	27	19	411	257	154
2 Jefferson	14	8	6	1	0	1	17	6	11	80	45	35
3 Boulder	3	2	1	2	1	1	5	3	2	37	20	17
4 Adams	29	15	14	0	0	0	20	7	13	99	60	39
5 Arapahoe	54	28	26	1	0	1	18	9	9	26	10	16
6 El Paso	95	50	45	2	0	2	10	3	7	73	44	29
7 Larimer	0	0	0	0	0	0	5	1	4	16	10	6
8 Pueblo	26	17	9	3	1	2	0	0	0	210	129	81
9 Weld	2	1	1	0	0	0	2	1	1	64	40	24
10 Northwest	3	1	2	4	2	2	3	0	3	26	15	11
11 Western	2	1	1	2	2	0	1	1	0	29	14	15
12 Eastern	2	2	0	2	2	0	0	0	0	79	45	34
13 Central	3	2	1	1	0	1	1	0	1	24	13	11
14 Southern	1	0	1	23	14	9	1	1	0	194	112	82

See inside back cover for descriptions of regions.

Table 91. Deaths and Death Rates for Selected Causes by County and Region: Colorado Residents, 1988

Place	Heart Disease		Malignant Neoplasms		Cerebrovascular Diseases		COPD		Total Accidents		Motor Vehicle Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Colorado	6,466	195.9	4,446	134.7	1,324	40.1	1,293	39.2	1,125	34.1	559	16.9
Adams	419	155.4	343	127.2	78	28.9	97	36.0	94	34.9	36	13.4
Alamosa	44	342.2	11	85.5	4	31.1	5	38.9	8	62.2	4	31.1
Arapahoe	446	116.1	420	109.3	105	27.3	101	26.3	86	22.4	45	11.7
Archuleta	12	239.8	9	179.9	2	40.0	2	40.0	4	79.9	2	40.0
Baca	32	696.0	9	195.7	1	21.7	2	43.5	2	43.5	1	21.7
Bent	28	512.7	9	164.8	9	164.8	1	18.3	5	91.6	4	73.2
Boulder	323	146.4	226	102.4	80	36.3	70	31.7	70	31.7	38	17.2
Chaffee	43	357.1	21	174.4	6	49.8	6	49.8	10	83.1	4	33.2
Cheyenne	8	327.1	3	122.6	1	40.9	4	163.5	2	81.8	0	0.0
Clear Creek	7	94.9	8	108.4	5	67.8	2	27.1	1	13.6	0	0.0
Conejos	25	305.9	7	85.6	5	61.2	5	61.2	0	0.0	0	0.0
Costilla	6	176.0	3	88.0	2	58.7	0	0.0	2	58.7	2	58.7
Crowley	7	160.7	9	206.7	1	23.0	6	137.8	0	0.0	0	0.0
Custer	2	98.2	4	196.4	0	0.0	0	0.0	3	147.3	1	49.1
Delta	77	345.9	52	233.6	21	94.3	12	53.9	9	40.4	5	22.5
Denver	1,331	265.2	902	179.7	271	54.0	271	54.0	171	34.1	69	13.7
Dolores	3	187.7	4	250.3	0	0.0	0	0.0	0	0.0	0	0.0
Douglas	56	120.1	44	94.4	13	27.9	4	8.6	15	32.2	8	17.2
Eagle	9	44.9	9	44.9	0	0.0	5	24.9	18	89.7	11	54.8
Elbert	16	165.3	13	134.3	2	20.7	4	41.3	1	10.3	1	10.3
El Paso	599	151.2	459	115.8	141	35.6	118	29.8	112	28.3	62	15.6
Fremont	136	450.1	90	297.9	26	86.1	44	145.6	18	59.6	6	19.9
Garfield	59	224.8	24	91.4	7	26.7	11	41.9	20	76.2	12	45.7
Gilpin	5	188.8	2	75.5	0	0.0	1	37.8	0	0.0	0	0.0
Grand	9	98.8	6	65.9	2	22.0	0	0.0	2	22.0	2	22.0
Gunnison	16	131.9	10	82.5	3	24.7	0	0.0	8	66.0	1	8.2
Hinsdale	2	563.4	0	0.0	0	0.0	0	0.0	1	281.7	1	281.7
Huerfano	19	274.2	10	144.3	5	72.2	4	57.7	5	72.2	3	43.3
Jackson	5	324.7	2	129.9	0	0.0	1	64.9	4	259.7	4	259.7
Jefferson	712	168.4	534	126.3	138	32.6	121	28.6	123	29.1	59	14.0
Kiowa	3	172.5	6	345.0	0	0.0	0	0.0	0	0.0	0	0.0
Kit Carson	20	262.0	16	209.6	3	39.3	9	117.9	2	26.2	1	13.1
Lake	8	133.8	12	200.7	1	16.7	2	33.5	0	0.0	0	0.0
La Plata	62	204.4	49	161.6	11	36.3	9	29.7	13	42.9	5	16.5
Larimer	290	161.3	185	102.9	87	48.4	76	42.3	48	26.7	25	13.9
Las Animas	52	364.0	25	175.0	15	105.0	7	49.0	11	77.0	6	42.0
Lincoln	18	388.4	7	151.1	4	86.3	2	43.2	1	21.6	0	0.0
Logan	63	330.6	26	136.4	11	57.7	20	104.9	9	47.2	5	26.2
Mesa	292	330.8	163	184.7	55	62.3	51	57.8	37	41.9	19	21.5
Mineral	1	164.5	1	164.5	0	0.0	2	328.9	1	164.5	0	0.0
Moffat	22	203.3	17	157.1	8	73.9	4	37.0	4	37.0	1	9.2
Montezuma	41	251.3	22	134.9	5	30.6	14	85.8	12	73.6	7	42.9
Montrose	77	296.4	50	192.5	11	42.3	13	50.0	7	26.9	2	7.7
Morgan	109	485.7	38	169.3	15	66.8	13	57.9	8	35.7	3	13.4
Otero	95	441.2	31	144.0	17	79.0	16	74.3	15	69.7	6	27.9
Ouray	5	258.0	4	206.4	0	0.0	2	103.2	2	103.2	0	0.0
Park	9	149.6	9	149.6	2	33.2	2	33.2	6	99.7	4	66.5
Phillips	19	425.2	5	111.9	1	22.4	1	22.4	4	89.5	2	44.8
Pitkin	3	22.1	7	51.6	1	7.4	1	7.4	7	51.6	3	22.1
Prowers	37	267.1	26	187.7	5	36.1	9	65.0	9	65.0	7	50.5
Pueblo	345	260.8	242	183.0	70	52.9	70	52.9	59	44.6	31	23.4
Rio Blanco	13	238.5	10	183.5	2	36.7	4	73.4	2	36.7	1	18.3
Rio Grande	34	297.7	19	166.4	13	113.8	5	43.8	6	52.5	3	26.3
Routt	15	103.6	9	62.2	2	13.8	1	6.9	3	20.7	2	13.8
Saguache	7	179.0	2	51.1	4	102.3	2	51.1	1	25.6	1	25.6
San Juan	1	134.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	7	169.7	1	24.2	0	0.0	0	0.0	3	72.7	2	48.5

Place	Heart Disease		Malignant Neoplasms		Cerebrovascular Diseases		COPD		Total Accidents		Motor Vehicle Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Sedgwick	11	372.5	6	203.2	2	67.7	1	33.9	1	33.9	1	33.9
Summit	3	21.8	6	43.6	0	0.0	0	0.0	5	36.3	4	29.1
Teller	13	114.9	11	97.3	6	53.0	1	8.8	3	26.5	3	26.5
Washingtorr	14	277.5	12	237.9	2	39.6	3	59.5	2	39.6	1	19.8
Weld	265	186.4	169	118.9	42	29.5	51	35.9	46	32.4	29	20.4
Yuma	56	577.1	17	175.2	1	10.3	5	51.5	4	41.2	4	41.2
Planning and Management Regions												
PMR 1	272	427.2	104	163.3	32	50.3	43	67.5	28	44.0	16	25.1
2	555	172.4	354	110.0	129	40.1	127	39.5	94	29.2	54	16.8
3	3,299	177.8	2,479	133.6	690	37.2	667	35.9	560	30.2	255	13.7
4	621	150.1	479	115.8	149	36.0	121	29.3	121	29.3	69	16.7
5	62	254.1	39	159.9	10	41.0	19	77.9	6	24.6	2	8.2
6	202	392.0	90	174.6	33	64.0	34	66.0	31	60.2	18	34.9
7	345	260.8	242	183.0	70	52.9	70	52.9	59	44.6	31	23.4
8	117	289.8	43	106.5	28	69.3	19	47.1	18	44.6	10	24.8
9	119	220.4	84	155.6	18	33.3	25	46.3	29	53.7	14	25.9
10	184	275.5	117	175.2	35	52.4	27	40.4	30	44.9	11	16.5
11	386	295.1	214	163.6	72	55.1	70	53.5	63	48.2	33	25.2
12	44	60.7	39	53.8	5	6.9	8	11.0	39	53.8	26	35.9
13	189	376.0	127	252.6	33	65.6	52	103.4	31	61.7	11	21.9
14	71	334.7	35	165.0	20	94.3	11	51.9	16	75.4	9	42.4
Metro/Non-Metro												
Denver PMSA	2,964	182.4	2,243	138.0	605	37.2	594	36.6	489	30.1	217	13.4
Denver CMSA	3,287	178.1	2,469	133.8	685	37.1	664	36.0	559	30.3	255	13.8
Total Metro	4,786	177.5	3,524	130.7	1,025	38.0	979	36.3	824	30.6	402	14.9
Non-Metro	1,680	278.7	922	152.9	299	49.6	314	52.1	301	49.9	157	26.0
Five-Region Substate Groups												
Front Range	4,786	177.5	3,524	130.7	1,025	38.0	979	36.3	824	30.6	402	14.9
Western Slope	733	226.2	454	140.1	130	40.1	130	40.1	161	49.7	84	25.9
Eastern Plains	536	384.0	233	166.9	75	53.7	96	68.8	65	46.6	36	25.8
San Luis Valley	117	289.8	43	106.5	28	69.3	19	47.1	18	44.6	10	24.8
Eastern Mtns	294	297.5	192	194.3	66	66.8	69	69.8	57	57.7	27	27.3
Population-Based Region												
1 Denver	1,331	265.2	902	179.7	271	54.0	271	54.0	171	34.1	69	13.7
2 Jefferson	712	168.4	534	126.3	138	32.6	121	28.6	123	29.1	59	14.0
3 Boulder	323	146.4	226	102.4	80	36.3	70	31.7	70	31.7	38	17.2
4 Adams	419	155.4	343	127.2	78	28.9	97	36.0	94	34.9	36	13.4
5 Arapahoe	446	116.1	420	109.3	105	27.3	101	26.3	86	22.4	45	11.7
6 El Paso	599	151.2	459	115.8	141	35.6	118	29.8	112	28.3	62	15.6
7 Larimer	290	161.3	185	102.9	87	48.4	76	42.3	48	26.7	25	13.9
8 Pueblo	345	260.8	242	183.0	70	52.9	70	52.9	59	44.6	31	23.4
9 Weld	265	186.4	169	118.9	42	29.5	51	35.9	46	32.4	29	20.4
10 Northwest Reg	386	295.1	214	163.6	72	55.1	70	53.5	63	48.2	33	25.2
11 Western Reg	228	163.7	156	112.0	40	28.7	35	25.1	69	49.5	37	26.6
12 Eastern Reg	536	384.0	233	166.9	75	53.7	96	68.8	65	46.6	36	25.8
13 Central Reg	279	224.6	201	161.8	59	47.5	62	49.9	56	45.1	26	20.9
14 Southern Reg	307	265.6	162	140.2	66	57.1	55	47.6	63	54.5	33	28.6

Table 91, Continued.

Place	Other Accidents		Influenza and Pneumonia		Suicide		Diabetes Mellitus		Atherosclerosis		Chronic Liver Disease/Cirrhosis	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Colorado	566	17.1	984	29.8	598	18.1	371	11.2	357	10.8	275	8.3
Adams	58	21.5	51	18.9	52	19.3	38	14.1	21	7.8	21	7.8
Alamosa	4	31.1	2	15.6	5	38.9	2	15.6	1	7.8	0	0.0
Arapahoe	41	10.7	85	22.1	68	17.7	27	7.0	26	6.8	21	5.5
Archuleta	2	40.0	0	0.0	2	40.0	2	40.0	1	20.0	0	0.0
Baca	1	21.7	6	130.5	0	0.0	0	0.0	1	21.7	1	21.7
Bent	1	18.3	4	73.2	1	18.3	1	18.3	1	18.3	1	18.3
Boulder	32	14.5	34	15.4	39	17.7	16	7.3	19	8.6	10	4.5
Chaffee	6	49.8	10	83.1	0	0.0	1	8.3	2	16.6	3	24.9
Cheyenne	2	81.8	1	40.9	1	40.9	0	0.0	0	0.0	0	0.0
Clear Creek	1	13.6	3	40.7	2	27.1	1	13.6	1	13.6	0	0.0
Conejos	0	0.0	1	12.2	2	24.5	1	12.2	0	0.0	0	0.0
Costilla	0	0.0	1	29.3	1	29.3	1	29.3	0	0.0	1	29.3
Crowley	0	0.0	2	45.9	1	23.0	0	0.0	0	0.0	0	0.0
Custer	2	98.2	1	49.1	0	0.0	0	0.0	0	0.0	0	0.0
Delta	4	18.0	11	49.4	2	9.0	5	22.5	8	35.9	3	13.5
Denver	102	20.3	217	43.2	91	18.1	75	14.9	69	13.7	86	17.1
Dolores	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Douglas	7	15.0	3	6.4	9	19.3	3	6.4	1	2.1	0	0.0
Eagle	7	34.9	0	0.0	0	0.0	0	0.0	1	5.0	2	10.0
Elbert	0	0.0	0	0.0	0	0.0	0	0.0	1	10.3	0	0.0
El Paso	50	12.6	114	28.8	68	17.2	28	7.1	28	7.1	25	6.3
Fremont	12	39.7	16	53.0	14	46.3	2	6.6	18	59.6	3	9.9
Garfield	8	30.5	10	38.1	6	22.9	1	3.8	2	7.6	0	0.0
Gilpin	0	0.0	0	0.0	1	37.8	0	0.0	0	0.0	1	37.8
Grand	0	0.0	0	0.0	1	11.0	1	11.0	0	0.0	1	11.0
Gunnison	7	57.7	0	0.0	1	8.2	1	8.2	2	16.5	1	8.2
Hinsdale	0	0.0	0	0.0	0	0.0	1	281.7	0	0.0	0	0.0
Huerfano	2	28.9	12	173.2	1	14.4	0	0.0	1	14.4	2	28.9
Jackson	0	0.0	0	0.0	0	0.0	0	0.0	1	64.9	0	0.0
Jefferson	64	15.1	116	27.4	79	18.7	48	11.4	78	18.5	25	5.9
Kiowa	0	0.0	0	0.0	0	0.0	1	57.5	0	0.0	0	0.0
Kit Carson	1	13.1	3	39.3	2	26.2	2	26.2	1	13.1	0	0.0
Lake	0	0.0	0	0.0	1	16.7	0	0.0	0	0.0	0	0.0
La Plata	8	26.4	11	36.3	2	6.6	3	9.9	0	0.0	3	9.9
Larimer	23	12.8	48	26.7	35	19.5	18	10.0	9	5.0	14	7.8
Las Animas	5	35.0	11	77.0	1	7.0	3	21.0	2	14.0	3	21.0
Lincoln	1	21.6	5	107.9	3	64.7	3	64.7	0	0.0	0	0.0
Logan	4	21.0	11	57.7	4	21.0	2	10.5	2	10.5	0	0.0
Mesa	18	20.4	42	47.6	17	19.3	10	11.3	12	13.6	10	11.3
Mineral	1	164.5	0	0.0	0	0.0	1	164.5	0	0.0	0	0.0
Moffat	3	27.7	6	55.4	1	9.2	3	27.7	0	0.0	0	0.0
Montezuma	5	30.6	7	42.9	2	12.3	2	12.3	0	0.0	3	18.4
Montrose	5	19.2	8	30.8	3	11.5	7	26.9	3	11.5	3	11.5
Morgan	5	22.3	11	49.0	0	0.0	6	26.7	4	17.8	0	0.0
Otero	9	41.8	22	102.2	4	18.6	2	9.3	4	18.6	1	4.6
Ouray	2	103.2	1	51.6	0	0.0	0	0.0	0	0.0	0	0.0
Park	2	33.2	0	0.0	1	16.6	0	0.0	0	0.0	0	0.0
Phillips	2	44.8	2	44.8	0	0.0	0	0.0	0	0.0	0	0.0
Pitkin	4	29.5	0	0.0	4	29.5	0	0.0	0	0.0	0	0.0
Prowers	2	14.4	7	50.5	4	28.9	1	7.2	2	14.4	2	14.4
Pueblo	28	21.2	38	28.7	26	19.7	32	24.2	18	13.6	19	14.4
Rio Blanco	1	18.3	0	0.0	3	55.0	0	0.0	0	0.0	1	18.3
Rio Grande	3	26.3	3	26.3	1	8.8	0	0.0	4	35.0	0	0.0
Routt	1	6.9	1	6.9	4	27.6	0	0.0	0	0.0	0	0.0
Saguache	0	0.0	3	76.7	0	0.0	0	0.0	0	0.0	1	25.6
San Juan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	1	24.2	0	0.0	1	24.2	0	0.0	0	0.0	0	0.0

Place	Other Accidents		Influenza and Pneumonia		Suicide		Diabetes Mellitus		Atherosclerosis		Chronic Liver Disease/Cirrhosis	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Sedgwick	0	0.0	3	101.6	1	33.9	1	33.9	0	0.0	0	0.0
Summit	1	7.3	0	0.0	5	36.3	0	0.0	0	0.0	0	0.0
Teller	0	0.0	3	26.5	2	17.7	2	17.7	0	0.0	2	17.7
Washington	1	19.8	3	59.5	0	0.0	2	39.6	1	19.8	0	0.0
Weld	17	12.0	31	21.8	23	16.2	13	9.1	9	6.3	5	3.5
Yuma	0	0.0	4	41.2	1	10.3	2	20.6	3	30.9	1	10.3
Planning and Management Regions												
PMR 1	12	18.8	34	53.4	6	9.4	13	20.4	10	15.7	1	1.6
2	40	12.4	79	24.5	58	18.0	31	9.6	18	5.6	19	5.9
3	305	16.4	509	27.4	341	18.4	208	11.2	215	11.6	164	8.8
4	52	12.6	117	28.3	71	17.2	30	7.3	28	6.8	27	6.5
5	4	16.4	9	36.9	6	24.6	5	20.5	2	8.2	0	0.0
6	13	25.2	41	79.6	10	19.4	5	9.7	8	15.5	5	9.7
7	28	21.2	38	28.7	26	19.7	32	24.2	18	13.6	19	14.4
8	8	19.8	10	24.8	9	22.3	5	12.4	5	12.4	2	5.0
9	15	27.8	18	33.3	6	11.1	7	13.0	1	1.9	6	11.1
10	19	28.5	20	29.9	7	10.5	14	21.0	13	19.5	7	10.5
11	30	22.9	58	44.3	27	20.6	14	10.7	14	10.7	11	8.4
12	13	17.9	1	1.4	14	19.3	1	1.4	2	2.8	3	4.1
13	20	39.8	27	53.7	15	29.8	3	6.0	20	39.8	6	11.9
14	7	33.0	23	108.4	2	9.4	3	14.1	3	14.1	5	23.6
Metro/Non-Metro												
Denver PMSA	272	16.7	472	29.0	299	18.4	191	11.8	195	12.0	153	9.4
Denver CMSA	304	16.5	506	27.4	338	18.3	207	11.2	214	11.6	163	8.8
Total Metro	422	15.7	737	27.3	490	18.2	298	11.1	278	10.3	226	8.4
Non-Metro	144	23.9	247	41.0	108	17.9	73	12.1	79	13.1	49	8.1
Five-Region Substate Gro												
Front Range	422	15.7	737	27.3	490	18.2	298	11.1	278	10.3	226	8.4
Western Slope	77	23.8	97	29.9	54	16.7	36	11.1	30	9.3	27	8.3
Eastern Plains	29	20.8	84	60.2	22	15.8	23	16.5	20	14.3	6	4.3
San Luis Valley	8	19.8	10	24.8	9	22.3	5	12.4	5	12.4	2	5.0
Eastern Mtns	30	30.4	56	56.7	23	23.3	9	9.1	24	24.3	14	14.2
Population-Based Regions												
1 Denver	102	20.3	217	43.2	91	18.1	75	14.9	69	13.7	86	17.1
2 Jefferson	64	15.1	116	27.4	79	18.7	48	11.4	78	18.5	25	5.9
3 Boulder	32	14.5	34	15.4	39	17.7	16	7.3	19	8.6	10	4.5
4 Adams	58	21.5	51	18.9	52	19.3	38	14.1	21	7.8	21	7.8
5 Arapahoe	41	10.7	85	22.1	68	17.7	27	7.0	26	6.8	21	5.5
6 El Paso	50	12.6	114	28.8	68	17.2	28	7.1	28	7.1	25	6.3
7 Larimer	23	12.8	48	26.7	35	19.5	18	10.0	9	5.0	14	7.8
8 Pueblo	28	21.2	38	28.7	26	19.7	32	24.2	18	13.6	19	14.4
9 Weld	17	12.0	31	21.8	23	16.2	13	9.1	9	6.3	5	3.5
10 Northwest Reg	30	22.9	58	44.3	27	20.6	14	10.7	14	10.7	11	8.4
11 Western Reg	32	23.0	21	15.1	21	15.1	15	10.8	15	10.8	10	7.2
12 Eastern Reg	29	20.8	84	60.2	22	15.8	23	16.5	20	14.3	6	4.3
13 Central Reg	30	24.1	36	29.0	30	24.1	9	7.2	22	17.7	9	7.2
14 Southern Reg	30	26.0	51	44.1	17	14.7	15	13.0	9	7.8	13	11.2

Table 91, Continued.

Place	Homicide		Conditions of Perinatal Period		Septicemia		Congenital Anomalies		All Other	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Colorado	190	5.8	198	6.0	196	5.9	184	5.6	3,305	100.1
Adams	21	7.8	16	5.9	9	3.3	12	4.5	214	79.4
Alamosa	2	15.6	1	7.8	0	0.0	0	0.0	14	108.9
Arapahoe	22	5.7	25	6.5	13	3.4	21	5.5	257	66.9
Archuleta	1	20.0	0	0.0	0	0.0	0	0.0	7	139.9
Baca	0	0.0	0	0.0	3	65.2	0	0.0	7	152.2
Bent	0	0.0	1	18.3	0	0.0	0	0.0	10	183.1
Boulder	3	1.4	6	2.7	8	3.6	16	7.3	151	68.4
Chaffee	0	0.0	1	8.3	0	0.0	0	0.0	17	141.2
Cheyenne	0	0.0	0	0.0	0	0.0	1	40.9	5	204.4
Clear Creek	0	0.0	1	13.6	1	13.6	0	0.0	1	13.6
Conejos	0	0.0	0	0.0	0	0.0	0	0.0	3	36.7
Costilla	1	29.3	0	0.0	0	0.0	0	0.0	5	146.7
Crowley	0	0.0	1	23.0	0	0.0	0	0.0	4	91.8
Custer	0	0.0	0	0.0	0	0.0	0	0.0	2	98.2
Delta	1	4.5	1	4.5	3	13.5	5	22.5	38	170.7
Denver	66	13.1	44	8.8	52	10.4	35	7.0	777	154.8
Dolores	0	0.0	0	0.0	0	0.0	2	125.2	2	125.2
Douglas	1	2.1	0	0.0	1	2.1	2	4.3	19	40.8
Eagle	0	0.0	1	5.0	2	10.0	1	5.0	5	24.9
Elbert	0	0.0	0	0.0	0	0.0	0	0.0	6	62.0
El Paso	17	4.3	33	8.3	15	3.8	26	6.6	285	71.9
Fremont	1	3.3	0	0.0	3	9.9	0	0.0	44	145.6
Garfield	0	0.0	4	15.2	1	3.8	2	7.6	31	118.1
Gilpin	0	0.0	0	0.0	0	0.0	0	0.0	3	113.3
Grand	0	0.0	2	22.0	0	0.0	1	11.0	4	43.9
Gunnison	1	8.2	0	0.0	1	8.2	1	8.2	7	57.7
Hinsdale	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Huerfano	1	14.4	0	0.0	1	14.4	1	14.4	6	86.6
Jackson	0	0.0	0	0.0	0	0.0	0	0.0	3	194.8
Jefferson	18	4.3	20	4.7	24	5.7	16	3.8	367	86.8
Kiowa	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kit Carson	0	0.0	0	0.0	0	0.0	0	0.0	12	157.2
Lake	2	33.5	0	0.0	0	0.0	0	0.0	7	117.1
La Plata	1	3.3	1	3.3	0	0.0	0	0.0	31	102.2
Larimer	4	2.2	4	2.2	11	6.1	8	4.5	155	86.2
Las Animas	2	14.0	0	0.0	3	21.0	3	21.0	24	168.0
Lincoln	1	21.6	0	0.0	1	21.6	0	0.0	17	366.9
Logan	0	0.0	0	0.0	3	15.7	3	15.7	27	141.7
Mesa	4	4.5	5	5.7	13	14.7	6	6.8	131	148.4
Mineral	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Moffat	3	27.7	0	0.0	2	18.5	0	0.0	11	101.7
Montezuma	0	0.0	6	36.8	1	6.1	2	12.3	32	196.2
Montrose	0	0.0	0	0.0	0	0.0	0	0.0	40	154.0
Morgan	2	8.9	3	13.4	1	4.5	3	13.4	20	89.1
Otero	0	0.0	0	0.0	2	9.3	1	4.6	27	125.4
Ouray	0	0.0	0	0.0	0	0.0	0	0.0	4	206.4
Park	0	0.0	0	0.0	0	0.0	0	0.0	6	99.7
Phillips	0	0.0	0	0.0	1	22.4	0	0.0	4	89.5
Pitkin	0	0.0	0	0.0	0	0.0	0	0.0	2	14.7
Prowers	0	0.0	3	21.7	1	7.2	1	7.2	14	101.1
Pueblo	5	3.8	7	5.3	12	9.1	7	5.3	242	183.0
Rio Blanco	0	0.0	0	0.0	0	0.0	0	0.0	3	55.0
Rio Grande	0	0.0	1	8.8	0	0.0	1	8.8	20	175.1
Routt	1	6.9	0	0.0	1	6.9	2	13.8	8	55.3
Saguache	1	25.6	0	0.0	0	0.0	0	0.0	6	153.4
San Juan	0	0.0	0	0.0	0	0.0	0	0.0	1	134.4
San Miguel	0	0.0	0	0.0	0	0.0	0	0.0	2	48.5

Place	Homicide		Conditions of Perinatal Period		Septicemia		Congenital Anomalies		All Other	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Sedgwick	0	0.0	0	0.0	1	33.9	0	0.0	3	101.6
Summit	1	7.3	0	0.0	0	0.0	0	0.0	2	14.5
Teller	3	26.5	1	8.8	1	8.8	0	0.0	4	35.4
Washington	0	0.0	0	0.0	1	19.8	0	0.0	6	118.9
Weld	4	2.8	10	7.0	4	2.8	4	2.8	130	91.5
Yuma	0	0.0	0	0.0	0	0.0	1	10.3	20	206.1
Planning and Management Regions										
PMR 1	2	3.1	3	4.7	7	11.0	7	11.0	80	125.6
2	8	2.5	14	4.3	15	4.7	12	3.7	285	88.5
3	131	7.1	112	6.0	108	5.8	102	5.5	1,789	96.4
4	20	4.8	34	8.2	16	3.9	26	6.3	295	71.3
5	1	4.1	0	0.0	1	4.1	1	4.1	40	164.0
6	0	0.0	5	9.7	6	11.6	2	3.9	62	120.3
7	5	3.8	7	5.3	12	9.1	7	5.3	242	183.0
8	4	9.9	2	5.0	0	0.0	1	2.5	48	118.9
9	2	3.7	7	13.0	1	1.9	4	7.4	73	135.2
10	2	3.0	1	1.5	4	6.0	6	9.0	91	136.3
11	7	5.4	9	6.9	16	12.2	8	6.1	176	134.6
12	2	2.8	3	4.1	3	4.1	4	5.5	24	33.1
13	3	6.0	1	2.0	3	6.0	0	0.0	70	139.3
14	3	14.1	0	0.0	4	18.9	4	18.9	30	141.4
Metro/Non-Metro										
Denver PMSA	128	7.9	105	6.5	99	6.1	86	5.3	1,634	100.6
Denver CMSA	131	7.1	111	6.0	107	5.8	102	5.5	1,785	96.7
Total Metro	161	6.0	165	6.1	149	5.5	147	5.5	2,597	96.3
Non-Metro	29	4.8	33	5.5	47	7.8	37	6.1	708	117.4
Five-Region Substate Gro										
Front Range	161	6.0	165	6.1	149	5.5	147	5.5	2,597	96.3
Western Slope	13	4.0	20	6.2	24	7.4	22	6.8	364	112.3
Eastern Plains	3	2.1	8	5.7	14	10.0	10	7.2	182	130.4
San Luis Valley	4	9.9	2	5.0	0	0.0	1	2.5	48	118.9
Eastern Mtns	9	9.1	3	3.0	9	9.1	4	4.0	114	115.3
Population-Based Regions										
1 Denver	66	13.1	44	8.8	52	10.4	35	7.0	777	154.8
2 Jefferson	18	4.3	20	4.7	24	5.7	16	3.8	367	86.8
3 Boulder	3	1.4	6	2.7	8	3.6	16	7.3	151	68.4
4 Adams	21	7.8	16	5.9	9	3.3	12	4.5	214	79.4
5 Arapahoe	22	5.7	25	6.5	13	3.4	21	5.5	257	66.9
6 El Paso	17	4.3	33	8.3	15	3.8	26	6.6	285	71.9
7 Larimer	4	2.2	4	2.2	11	6.1	8	4.5	155	86.2
8 Pueblo	5	3.8	7	5.3	12	9.1	7	5.3	242	183.0
9 Weld	4	2.8	10	7.0	4	2.8	4	2.8	130	91.5
10 Northwest Reg	7	5.4	9	6.9	16	12.2	8	6.1	176	134.6
11 Western Reg	4	2.9	4	2.9	7	5.0	10	7.2	115	82.6
12 Eastern Reg	3	2.1	8	5.7	14	10.0	10	7.2	182	130.4
13 Central Reg	7	5.6	3	2.4	6	4.8	2	1.6	103	82.9
14 Southern Reg	9	7.8	9	7.8	5	4.3	9	7.8	151	130.6

Rates are per 100,000 population. Rates based on few actual cases must be viewed with caution.
See inside back cover for descriptions of regions.

Table 92. Crude Death Rates and Age-Adjusted Death Rates by Sex by County with 95 Percent Confidence Limits: Colorado Residents, 1988

Place	Male					Female				
	Deaths	Crude Rate	Age-Adjusted Rate	Confidence Limits Lower	Upper	Deaths	Crude Rate	Age-Adjusted Rate	Confidence Limits Lower	Upper
Colorado	11,057	673.6	583.5	572.5	594.4	10,255	617.8	346.3	338.6	354.0
Adams	801	602.6	591.9	551.3	632.4	685	501.5	365.6	336.8	394.5
Alamosa	51	807.1	701.2	502.8	899.7	48	738.5	423.3	290.1	556.5
Arapahoe	878	459.3	505.2	471.9	538.6	845	438.0	330.4	306.8	354.0
Archuleta	22	882.1	870.7	523.6	1,217.8	20	809.4	547.2	300.1	794.4
Baca	30	1,336.3	551.6	343.1	760.2	34	1,464.9	458.0	252.6	663.5
Bent	32	1,154.0	540.5	334.4	746.6	39	1,469.5	670.4	396.2	944.6
Boulder	496	444.3	468.0	426.4	509.5	575	527.5	324.6	293.9	355.4
Chaffee	57	925.6	644.0	462.9	825.1	63	1,078.0	384.3	264.5	504.1
Cheyenne	16	1,337.8	903.7	415.9	1,391.6	10	825.8	256.7	86.9	426.5
Clear Creek	14	364.0	398.0	180.4	615.6	19	542.9	492.9	257.4	728.5
Conejos	25	624.5	458.0	265.9	650.2	24	581.5	258.4	140.9	375.8
Costilla	16	954.1	787.0	364.2	1,209.9	7	413.5	156.6	0.0	315.6
Crowley	19	748.0	542.8	273.7	811.9	12	677.6	280.8	102.4	459.3
Custer	3	297.0	343.4	0.0	754.3	9	911.9	559.0	164.5	953.5
Delta	131	1,200.1	532.6	423.0	642.2	117	1,033.7	333.9	244.5	423.3
Denver	2239	922.7	691.0	660.9	721.0	2219	855.9	379.2	359.2	399.2
Dolores	5	646.0	344.0	48.0	639.9	6	768.3	456.8	75.3	838.2
Douglas	86	359.2	537.9	422.4	653.3	85	375.6	409.4	317.1	501.6
Eagle	37	337.1	656.6	408.0	905.2	16	177.0	310.6	143.9	477.4
Elbert	24	487.9	539.6	322.6	756.7	19	401.2	315.0	158.0	472.1
El Paso	1098	547.9	575.8	542.0	609.6	970	495.3	327.3	304.8	349.7
Fremont	221	1,451.4	780.5	659.8	901.2	194	1,297.6	405.3	324.8	485.7
Garfield	92	694.7	620.8	489.0	752.7	86	663.2	384.1	283.5	484.8
Gilpin	8	576.0	729.2	249.5	1,208.9	5	410.2	331.5	31.4	631.6
Grand	20	423.7	566.7	320.4	813.1	9	207.1	206.2	70.4	342.0
Gunnison	25	379.9	607.6	372.7	842.6	27	491.0	495.4	289.8	701.0
Hinsdale	3	1,621.6	1,365.2	203.2	2,527.2	1	729.9	578.2	0.0	1,591.9
Huerfano	33	973.2	435.7	254.2	617.1	35	1,000.3	352.4	188.1	516.7
Jackson	9	1,192.1	1,116.0	420.9	1,811.2	7	947.2	478.3	112.6	843.9
Jefferson	1221	579.9	582.0	549.9	614.0	1198	564.9	377.1	354.3	399.9
Kiowa	6	711.7	581.8	133.8	1,029.8	4	466.7	553.4	79.8	1,027.0
Kit Carson	43	1,145.8	791.0	536.4	1,045.5	27	703.5	270.7	139.9	401.6
Lake	23	761.3	851.0	551.8	1,150.1	10	343.2	293.5	109.3	477.6
La Plata	120	786.0	671.3	549.7	792.9	76	506.0	253.9	186.7	321.1
Larimer	505	566.6	487.3	443.0	531.5	487	537.7	287.6	256.7	318.6
Las Animas	87	1,264.4	646.1	479.3	812.9	75	1,018.7	315.5	209.7	421.4
Lincoln	33	1,469.3	765.3	474.5	1,056.0	29	1,236.2	319.8	154.1	485.6
Logan	87	934.3	537.6	416.4	658.8	94	968.7	410.1	302.4	517.9
Mesa	445	1,024.2	702.4	632.2	772.6	403	900.0	412.2	361.9	462.5
Mineral	5	1,694.9	1,252.9	202.5	2,303.3	1	369.0	277.0	*****	*****
Moffat	35	649.4	606.4	408.8	804.1	46	853.0	499.6	337.5	661.6
Montezuma	84	1,061.0	719.1	558.9	879.2	65	777.9	407.8	281.8	533.8
Montrose	127	988.3	578.4	469.8	687.1	95	726.5	306.0	230.3	381.6
Morgan	118	1,070.4	609.4	490.0	728.8	115	1,010.9	428.2	329.4	527.0
Otero	125	1,204.0	664.4	532.5	796.3	112	1,008.1	364.1	272.9	455.2
Ouray	12	1,291.7	980.8	528.5	1,433.1	6	621.1	290.5	80.2	500.9
Park	22	722.0	1,006.1	681.1	1,331.1	13	443.5	472.5	216.8	728.3
Phillips	23	1,064.8	440.8	203.3	678.3	14	618.7	163.9	32.7	295.0
Pitkin	16	222.6	336.0	159.9	512.1	9	142.0	202.8	66.4	339.1
Prowers	62	922.9	694.6	512.0	877.2	59	832.6	423.4	291.5	555.2
Pueblo	659	1,025.7	697.1	641.1	753.1	533	784.0	351.0	315.4	386.5
Rio Blanco	18	661.0	555.4	315.6	795.2	20	747.4	427.5	231.6	623.3

Place	Male					Female				
	Deaths	Crude Rate	Age-Adjusted Rate	Confidence Limits		Deaths	Crude Rate	Age-Adjusted Rate	Confidence Limits	
				Lower	Upper				Lower	Upper
Rio Grande	61	1,083.7	588.4	427.0	749.8	46	800.3	341.1	215.7	466.5
Routt	28	366.1	557.3	353.9	760.7	19	279.9	239.6	120.1	359.0
Saguache	17	873.6	580.1	287.6	872.5	10	518.4	161.1	54.1	268.1
San Juan	1	264.6	390.3	0.0	1,074.5	1	303.0	0.0	*****	*****
San Miguel	7	316.0	528.5	116.2	940.8	7	375.3	416.9	65.3	768.4
Sedgwick	21	1,484.1	662.2	332.8	991.6	9	600.0	125.7	23.3	228.1
Summit	19	251.0	394.5	142.4	646.5	3	48.8	423.7	226.4	620.9
Teller	28	493.3	483.6	304.2	663.0	24	429.0	357.3	210.8	503.8
Washington	24	955.8	498.8	265.9	731.7	22	883.2	440.0	201.5	678.4
Weld	419	600.7	508.9	458.9	559.0	387	534.9	328.4	290.9	365.9
Yuma	65	1,373.6	792.4	570.6	1,014.3	50	1,013.4	323.9	203.5	444.3

Rates are per 100,000 population. Age-adjusted rates are based on the direct method using U.S. population for 1940 as the standard. Rates based on few actual cases must be viewed with caution. Information about the methods used in assigning confidence limits in this table is available from the Health Statistics Section.

Part Eight. Marriages
Marriage Dissolutions

Marriages

Decreases in Colorado's marriage rate continued in 1988 as the rate reached 9.5 marriages per 1,000 population, the lowest rate since a rate of 9.4 in 1965. It was the seventh consecutive year of decreasing marriage rates. Marriages totaled 31,438 in the state, the fewest since 1978.

Colorado's marriage rate was lower than the national rate for the second year in a row. The U.S. marriage rate was estimated at 9.7 in 1988, having followed a similar if less steep trend of decrease than Colorado's rate.

Table 93 compares marriage and marriage dissolution counts and rates for Colorado and the United States between 1960 and 1988. Figure 32 depicts marriage rates for those years.

Age at Marriage

People in their twenties made up about half of all marriage partners in Colorado in 1988, 51.0 percent of grooms and 52.2 percent of brides where age was reported. The mean age for grooms in Colorado was 31.0 years compared with 28.6 years for women.

Brides tend to be younger than grooms,a trend that can be seen in marriage rates by age group. Marriage rates were highest for both men and women aged 20-24 in 1988, 57.2 for men and 68.0 for women per 1,000 population aged 15 and older. Rates were second highest among ages 25-29 for both sexes, 53.7 for men and 51.5 for women. Among women, rates for teens aged 15-19 were nearly three time higher than male rates, 30.6 versus 10.9. Rates for ages 30-34 were 33.4 for men and 30.1 for women. Among older Coloradans, male rates generally were higher than female rates for each succeeding age group. The greater proportions of women than men in older populations perhaps in part account for differences in rates. Table 94 shows total marriages and first marriages by age and sex in 1988, and Table 95 shows marriage rates by age and sex for the state.

Table 93. Marriages and Marriage Dissolutions: Colorado Occurrence and United States, 1960-1988

Year	Population	Marriages			Marriage Dissolutions			Year	Population	Marriages			Marriage Dissolutions		
		Colorado Number	Colorado Rate	U.S. Rate	Colorado Number	Colorado Rate	U.S. Rate			Colorado Number	Colorado Rate	U.S. Rate	Colorado Number	Colorado Rate	U.S. Rate
1960	1,753,947	15,895	9.1	8.5	4,729	2.7	2.2	1975	2,586,243	27,565	10.7	10.0	15,733	6.1	4.8
1961	1,840,000	16,842	9.2	8.5	5,600	3.0	2.3	1976	2,632,370	28,601	10.9	9.9	17,520	6.7	5.0
1962	1,900,000	17,037	9.0	8.5	6,700	3.5	2.2	1977	2,696,179	30,063	11.2	9.9	20,557	7.6	5.0
1963	1,940,000	17,677	9.1	8.8	6,700	3.5	2.3	1978	2,766,843	31,129	11.3	10.3	18,590	6.7	5.1
1964	1,970,000	18,393	9.3	9.0	6,100	3.1	2.4	1979	2,849,298	32,831	11.5	10.4	16,498	5.8	5.3
1965	1,990,000	18,690	9.4	9.3	6,700	3.4	2.5	1980	2,908,277	34,943	12.0	10.6	18,571	6.4	5.2
1966	2,010,000	19,849	9.9	9.5	7,253	3.6	2.5	1981	2,983,997	37,251	12.5	10.6	19,515	6.5	5.3
1967	2,050,000	21,836	10.7	9.7	7,950	3.9	2.6	1982	3,071,710	37,796	12.3	10.6	18,710	6.1	5.0
1968	2,120,000	22,849	10.8	10.4	8,552	4.0	2.9	1983	3,148,360	36,239	11.5	10.5	19,409	6.2	4.9
1969	2,170,000	24,159	11.1	10.6	8,996	4.1	3.2	1984	3,189,378	35,525	11.1	10.5	19,532	6.1	5.0
1970	2,228,340	25,000	11.2	10.6	10,400	4.7	3.5	1985	3,232,494	33,612	10.4	10.2	18,778	5.8	5.0
1971	2,303,608	25,839	11.2	10.6	11,809	5.1	3.7	1986	3,265,337	32,811	10.0	10.0	18,951	5.8	4.9
1972	2,404,715	27,095	11.3	11.0	12,604	5.2	4.1	1987	3,293,174	31,931	9.7	9.9	18,590	5.6	4.8
1973	2,495,942	28,023	11.2	10.8	14,401	5.8	4.3	1988	3,301,467	31,438	9.5	9.7	18,651	5.6	4.8
1974	2,541,424	26,061	10.3	10.5	15,104	5.9	4.6								

Marriage dissolutions are combined divorces and annulments. Population figures are from the Demographic Section, Colorado Department of Local Affairs. Rates are events per 1,000 population. U.S. data are from the National Center for Health Statistics and are provisional for 1986-88. Colorado marriage dissolutions for the years 1960-65 are estimated.

Table 94. Total Marriages and First Marriages by Age and Sex as Reported on Marriage License Applications: Colorado Occurrence, 1988

Age Group	Total Marriages				First Marriages			
	Number		Percent		Number		Percent	
	Men	Women	Men	Women	Men	Women	Men	Women
Total	31,438	31,438	100.0	100.0	19,806	19,024	100.0	100.0
<15	0	3	0.0	0.0	0	3	0.0	0.0
15-19	1,398	3,654	4.4	11.6	1,388	3,605	7.0	18.9
20-24	7,971	8,982	25.4	28.6	7,570	7,988	38.2	42.0
25-29	8,027	7,362	25.5	23.4	6,369	4,795	32.2	25.2
30-34	5,365	4,699	17.1	14.9	2,951	1,825	14.9	9.6
35-39	3,392	2,970	10.8	9.4	1,031	572	5.2	3.0
40-44	2,105	1,679	6.7	5.3	305	162	1.5	0.9
45-49	1,176	877	3.7	2.8	99	33	0.5	0.2
50-54	713	392	2.3	1.2	37	15	0.2	0.1
55-59	416	254	1.3	0.8	19	9	0.1	0.0
60-64	322	179	1.0	0.6	17	6	0.1	0.0
65-69	205	149	0.7	0.5	9	6	0.0	0.0
70-74	155	76	0.5	0.2	7	2	0.0	0.0
75-79	75	31	0.2	0.1	3	0	0.0	0.0
80-84	27	13	0.1	0.0	0	2	0.0	0.0
85+	12	3	0.0	0.0	1	1	0.0	0.0
Not Stated	79	115	0.3	0.4	-	-	-	-

Table 95. Marriage Rates by Age and Sex: Colorado Occurrence, 1988

Age Group	Men			Women		
	Population	Number	Rate	Population	Number	Rate
Total 15+	1,261,315	31,438	24.9	1,298,918	31,435	24.2
15-19	127,856	1,398	10.9	119,606	3,654	30.6
20-24	139,376	7,971	57.2	132,030	8,982	68.0
25-29	149,509	8,027	53.7	142,979	7,362	51.5
30-34	160,810	5,365	33.4	156,171	4,699	30.1
35-39	151,574	3,392	22.4	148,027	2,970	20.1
40-44	120,272	2,105	17.5	118,837	1,679	14.1
45-49	89,295	1176	13.2	89,748	877	9.8
50-54	71,884	713	9.9	72,960	392	5.4
55-59	64,320	416	6.5	68,656	254	3.7
60-64	57,459	322	5.6	65,082	179	2.8
65-69	47,831	205	4.3	56,807	149	2.6
70-74	35,572	155	4.4	46,122	76	1.6
75-79	23,472	75	3.2	35,019	31	0.9
80-84	12,995	27	2.1	24,121	13	0.5
85+	9,090	12	1.3	22,753	3	0.1
Not Stated	-	79	-	-	115	-

First Marriages

Sixty-three percent of men marrying in Colorado in 1988 reported it as their first marriage, slightly higher than 60.5 percent among women. The mean age for first marriages was 26.1 years for grooms and 24.1 years for brides. Predictably, first marriages were more concentrated among younger age groups than were total marriages. Among ages 35 and older, only 4.9 percent of grooms and 2.7 percent of brides reported marrying for the first time in 1988.

Previous Marriages

Marriages in which neither spouse had been married previously made up about half (49.7 percent) of all Colorado marriages in 1988 where information on previous marital status was reported. Marriage with one partner never married and one partner divorced accounted for about one-fourth (24.5 percent) of marriages. Marriages with both partners previously divorced followed at 21.7 percent. Except for slightly higher proportions of men never married before and women who had been divorced, previous marital status was about the same for both sexes. Table 96 presents previous marital status by sex for Colorado marriages in 1988.

Month of Marriage

June with 3,772 marriages (12.0 percent of total) was the most popular month for marriages in Colorado in 1988. August, the most popular month in 1987, saw 3,675 marriages in 1988, 11.7 percent of the total. July and September followed with 11.5 percent and 10.2 percent of marriages.

Length of month and the number of Saturdays in the month both affect the frequency of marriages. August and June consistently rank as the top two months for marriages in Colorado.

As in 1987, January marriages were most infrequent with only 1,510 marriages, 4.8 percent of the total. March, November and February also were comparatively unpopular for marriages. Table 3 in the Highlights chapter shows marriages by month of occurrence.

Ceremony Type

Proportions of religious and civil ceremonies have remained unchanged over time in Colorado, with two religious ceremonies for every civil ceremony. Of marriages in 1988 where ceremony type was reported, 68.8 percent (21,571) percent were religious and 31.2 percent (9,780) were civil.

Table 96. Previous Marital Status Reported on Marriage License Applications: Colorado Occurrence, 1988

Marital Status of Males	Marital Status of Females	Number	Percent
Total		31,438	100.0
Never Married	Never Married	15,500	49.3
Never Married	Divorced	4,173	13.3
Never Married	Widowed	137	0.4
Divorced	Never Married	3,467	11.0
Divorced	Divorced	6,778	21.6
Divorced	Widowed	366	1.2
Widowed	Never Married	78	0.2
Widowed	Divorced	402	1.3
Widowed	Widowed	293	0.9
Previous Marital Status Not Stated		244	0.8

Figure 32. Marriage Rates: Colorado Occurrence and United States, 1960-1988

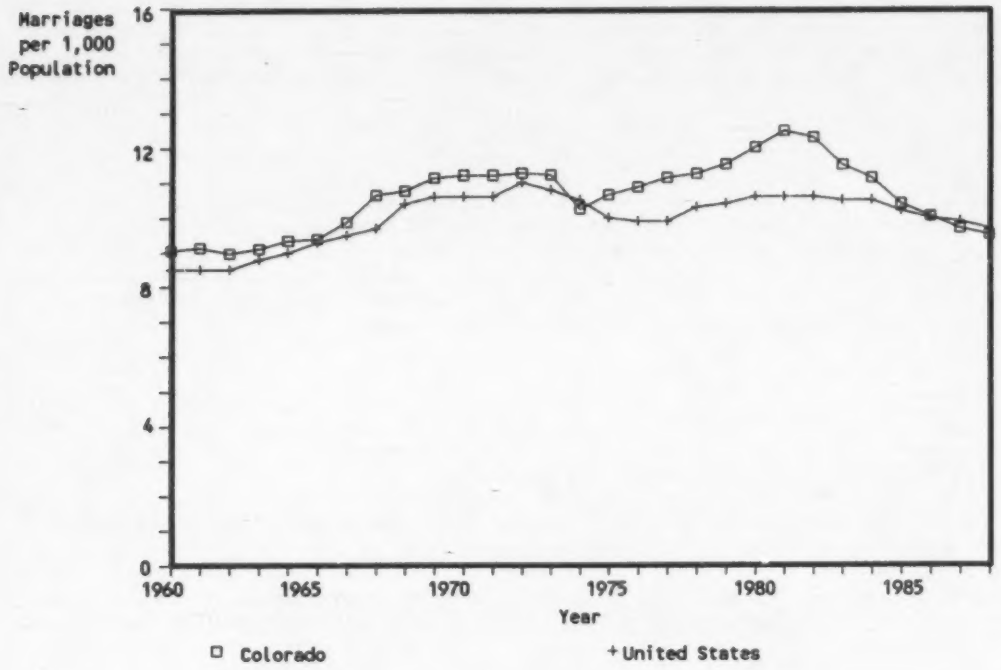
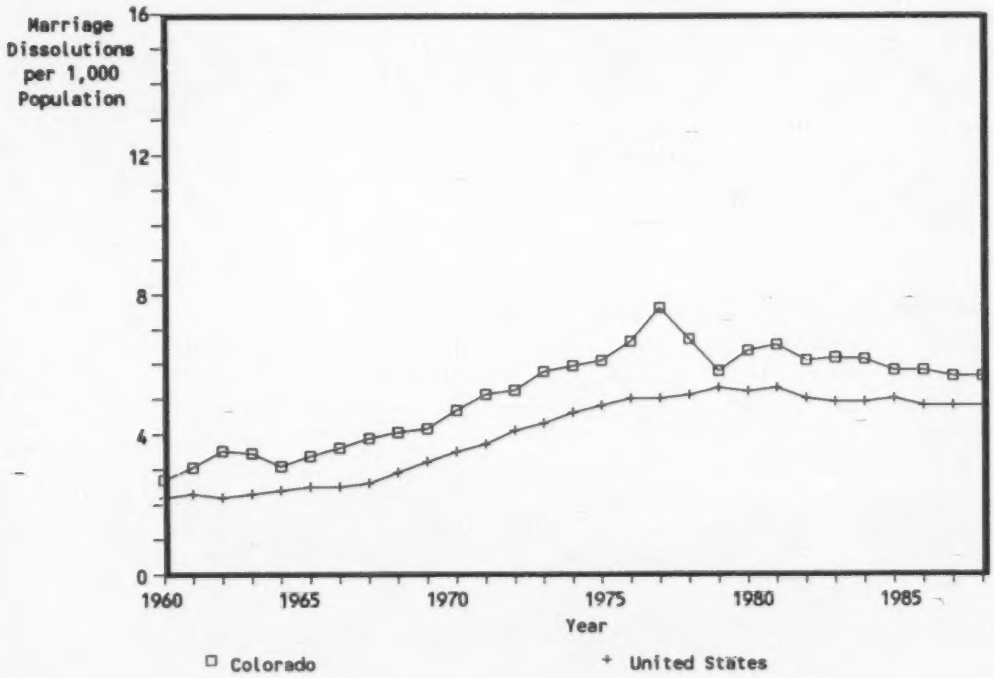


Figure 33. Marriage Dissolution Rates: Colorado Occurrence and United States, 1960-1988



Marriage Dissolutions

Numbers and rates of marriage dissolutions have decreased in recent years in Colorado, but at a less steady pace than marriages. In 1988, 18,651 marriage dissolutions occurred in Colorado, 61 more than the 18,590 in 1987. The state's marriage dissolution rate held at 5.6 per 1,000 population. Colorado's marriage dissolution rate continued to be higher than the U.S. rate, which was 4.8 in 1987 and 1988.

Nearly all marriage dissolutions are divorces. In 1988, 18,544 of marriage dissolutions were divorces, 99.4 percent of the total. The balance of 107 events were annulments.

Colorado's marriage dissolution rate reached its highest point ever in 1977 with a rate of 7.6. Since then rates have fluctuated but generally have followed a downward course. The U.S. rate reached a high of 5.3 in both 1979 and 1981, since then decreasing to its present level. Colorado and U.S. marriage dissolution rates between 1960 and 1987 appear in Figure 33.

Marriages and Marriage Dissolutions by County and Region

Numbers and rates for Colorado marriages and marriage dissolutions for 1988 appear in Table 97 by county and region. Table 98 shows marriages and marriage rates by county and region for selected years between 1970 and 1988. Figures 34 compares marriage rates for 1988 by county, and Figure 35 compares marriage dissolution rates. Table 99 presents marriage dissolution data for the same years. Unlike almost all other county data in this report, marriage and marriage dissolution statistics are compiled by place of occurrence rather than place of residence.

Figure 34. Marriage Rates by County: Colorado Occurrences, 1988

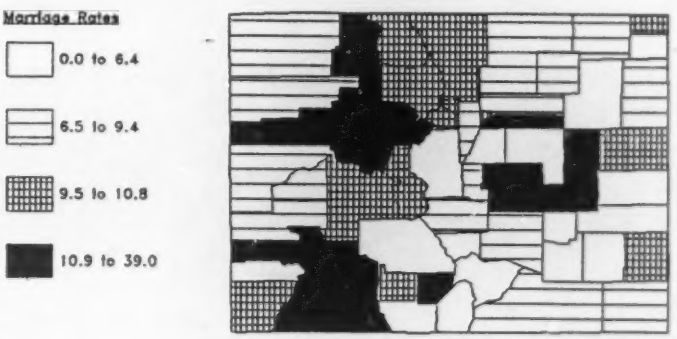


Figure 35. Marriage Dissolution Rates by County: Colorado Occurrences, 1988

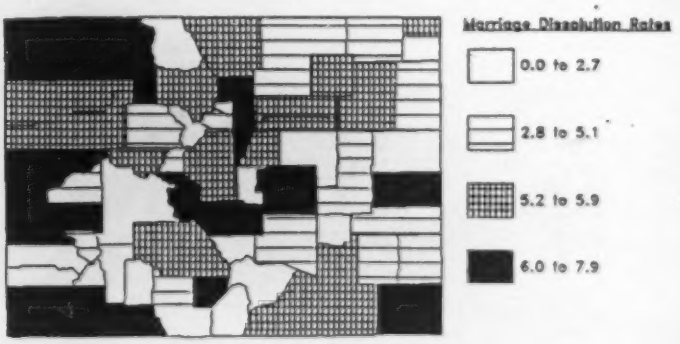


Table 97. Marriages and Marriage Dissolutions with Rates by County and Region of Occurrence: Colorado, 1988

Place	Population	Marriages		Divorces	Annulments	Total Dissolutions		Separate Maintenance
		Number	Rate	Number	Number	Number	Rate	
Colorado	3,301,467	31,438	9.5	18,544	107	18,651	5.6	269
Adams	269,557	2,161	8.0	1,424	7	1,431	5.3	18
Alamosa	12,859	143	11.1	102	0	102	7.9	1
Arapahoe	384,091	4,270	11.1	2,145	14	2,159	5.6	45
Archuleta	5,004	63	12.6	30	0	30	6.0	0
Baca	4,598	42	9.1	28	0	28	6.1	0
Bent	5,461	29	5.3	16	0	16	2.9	0
Boulder	220,684	2,319	10.5	1,378	8	1,386	6.3	30
Chaffee	12,040	114	9.5	88	0	88	7.3	0
Cheyenne	2,446	11	4.5	18	0	18	7.4	0
Clear Creek	7,379	80	10.8	31	0	31	4.2	1
Conejos	8,173	33	4.0	4	0	4	0.5	0
Costilla	3,409	0	0.0	0	0	0	0.0	0
Crowley	4,355	13	3.0	4	0	4	0.9	0
Custer	2,037	0	0.0	0	0	0	0.0	0
Delta	22,261	159	7.1	111	1	112	5.0	2
Denver	501,975	4,966	9.9	2,911	16	2,927	5.8	21
Dolores	1,598	9	5.6	4	0	4	2.5	0
Douglas	46,613	300	6.4	246	1	247	5.3	3
Eagle	20,059	236	11.8	87	0	87	4.3	1
Elbert	9,682	48	5.0	21	0	21	2.2	0
El Paso	396,290	4,625	11.7	2,596	19	2,615	6.6	73
Fremont	30,214	271	9.0	192	0	192	6.4	1
Garfield	26,245	295	11.2	151	0	151	5.8	0
Gilpin	2,649	28	10.6	12	0	12	4.5	0
Grand	9,106	87	9.6	50	0	50	5.5	0
Gunnison	12,126	122	10.1	33	0	33	2.7	0
Hinsdale	355	6	16.9	0	0	0	0.0	0
Huerfano	6,929	27	3.9	18	0	18	2.6	0
Jackson	1,540	16	10.4	0	0	0	0.0	0
Jefferson	422,684	3,288	7.8	2,573	11	2,584	6.1	45
Kiowa	1,739	11	6.3	4	1	5	2.9	0
Kit Carson	7,634	80	10.5	20	0	20	2.6	0
Lake	5,978	58	9.7	23	0	23	3.8	0
La Plata	30,330	412	13.6	181	0	181	6.0	0
Larimer	179,746	1,801	10.0	1,002	9	1,011	5.6	16
Las Animas	14,284	101	7.1	77	0	77	5.4	0
Lincoln	4,634	53	11.4	22	0	22	4.7	0
Logan	19,059	161	8.4	93	0	93	4.9	1
Mesa	88,264	816	9.2	592	3	595	6.7	0
Mineral	608	8	13.2	0	0	0	0.0	0
Moffat	10,821	102	9.4	73	1	74	6.8	0
Montezuma	16,314	166	10.2	99	0	99	6.1	0
Montrose	25,976	240	9.2	156	0	156	6.0	0
Morgan	22,440	204	9.1	130	0	130	5.8	0
Otero	21,530	104	4.8	119	1	120	5.6	0
Ouray	1,938	52	26.8	7	0	7	3.6	0
Park	6,018	34	5.6	31	0	31	5.2	0
Phillips	4,469	11	2.5	7	0	7	1.6	0
Pitkin	13,575	313	23.1	71	0	71	5.2	0
Prowers	13,852	141	10.2	70	0	70	5.1	0
Pueblo	132,274	944	7.1	596	2	598	4.5	5
Rio Blanco	5,451	43	7.9	32	0	32	5.9	0
Rio Grande	11,419	111	9.7	55	0	55	4.8	0
Routt	14,473	171	11.8	96	1	97	6.7	0
Saguache	3,911	15	3.8	23	0	23	5.9	0
San Juan	744	29	39.0	2	0	2	2.7	0
San Miguel	4,126	51	12.4	0	0	0	0.0	0

Place	Population	Marriages		Divorces	Annulments	Total Dissolutions		Separate Maintenance
		Number	Rate	Number	Number	Number	Rate	
Sedgwick	2,953	30	10.2	16	0	16	5.4	0
Summit	13,761	265	19.3	0	0	0	0.0	0
Teller	11,311	84	7.4	29	2	31	2.7	0
Washington	5,045	28	5.6	29	0	29	5.7	0
Weld	142,146	968	6.8	576	9	585	4.1	6
Yuma	9,703	70	7.2	40	1	41	4.2	0
Planning and Management Regions								
PMR 1	63,669	504	7.9	315	1	316	5.0	1
2	321,892	2,769	8.6	1,578	18	1,596	5.0	22
3	1,855,632	17,412	9.4	10,720	57	10,777	5.8	163
4	413,619	4,743	11.5	2,656	21	2,677	6.5	73
5	24,396	192	7.9	81	0	81	3.3	0
6	51,535	340	6.6	241	2	243	4.7	0
7	132,274	944	7.1	596	2	598	4.5	5
8	40,379	310	7.7	184	0	184	4.6	1
9	53,990	679	12.6	316	0	316	5.9	0
10	66,782	630	9.4	307	1	308	4.6	2
11	130,781	1,256	9.6	848	4	852	6.5	0
12	72,514	1,088	15.0	304	1	305	4.2	1
13	50,269	443	8.8	303	0	303	6.0	1
14	21,213	128	6.0	95	0	95	4.5	0
Metro/Non-Metro								
Denver PMSA	1,624,920	14,985	9.2	9,299	49	9,348	5.8	132
Denver CMSA	1,845,604	17,304	9.4	10,677	57	10,734	5.8	162
Total Metro	2,696,060	25,642	9.5	15,447	96	15,543	5.8	262
Non-Metro	602,885	5,796	9.6	3,097	11	3,108	5.2	7
Five-Region Substate Groups								
Front Range	2,696,060	25,642	9.5	15,447	96	15,543	5.8	262
Western Slope	324,067	3,653	11.3	1,775	6	1,781	5.5	3
Eastern Plains	139,600	1,036	7.4	637	3	640	4.6	1
San Luis Valley	40,379	310	7.7	184	0	184	4.6	1
Eastern Mtns	98,839	797	8.1	501	2	503	5.1	2
Population-Based Regions								
1 Denver	501,975	4,966	9.9	2,911	16	2,927	5.8	21
2 Jefferson	422,684	3,288	7.8	2,573	11	2,584	6.1	45
3 Boulder	220,684	2,319	10.5	1,378	8	1,386	6.3	30
4 Adams	269,557	2,161	8.0	1,424	7	1,431	5.3	18
5 Arapahoe	384,091	4,270	11.1	2,145	14	2,159	5.6	45
6 El Paso	396,290	4,625	11.7	2,596	19	2,615	6.6	73
7 Larimer	179,746	1,801	10.0	1,002	9	1,011	5.6	16
8 Pueblo	132,274	944	7.1	596	2	598	4.5	5
9 Weld	142,146	968	6.8	576	9	585	4.1	6
10 Northwest Reg	130,781	1,256	9.6	848	4	852	6.5	0
11 Western Reg	139,296	1,718	12.3	611	2	613	4.4	3
12 Eastern Reg	139,600	1,036	7.4	637	3	640	4.6	1
13 Central Reg	124,239	969	7.8	652	3	655	5.3	5
14 Southern Reg	115,582	1,117	9.7	595	0	595	5.1	1

Rates are events per 1,000 population. Counts are compiled by place where marriage license, divorce decree, or court decree was issued. Rates based on few cases must be viewed with caution. Total marriage dissolutions are sum of divorces and annulments. Population figures are 1988-based preliminary estimates from the Demographic Section, Colorado Department of Local Affairs. See inside back cover for descriptions of regions.

Table 98. Marriages and Marriage Rates by County and Region: Colorado Occurrences, 1970, 1975, 1980, 1984-88

Place	1970		1975		1980		1984		1985		1986		1987		1988	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Colorado	25,000	11.2	27,565	10.7	34,917	12.0	35,523	11.1	33,612	10.4	32,811	10.0	31,931	9.7	31,438	9.5
Adams	1,118	6.0	1,542	7.0	1,945	7.9	2,384	9.0	2,079	7.7	2,147	8.0	2,158	8.0	2,161	8.0
Alamosa	152	13.2	189	15.4	202	17.1	145	11.6	176	14.1	167	13.2	140	11.0	143	11.1
Arapahoe	1,540	9.4	1,929	8.8	3,901	13.1	4,589	12.5	4,274	11.3	4,315	11.2	4,161	10.8	4,270	11.1
Archuleta	28	10.4	30	10.1	51	13.8	56	11.3	76	14.6	40	7.5	67	12.7	63	12.6
Baca	56	9.9	54	9.5	45	8.4	40	8.1	32	6.7	33	7.4	33	7.4	42	9.1
Bent	19	2.9	37	5.8	41	6.9	37	6.3	32	5.6	35	6.1	36	6.6	29	5.3
Boulder	1,391	10.4	1,775	10.6	2,436	12.8	2,691	12.7	2,512	11.9	2,371	11.1	2,291	10.6	2,319	10.5
Chaffee	94	9.1	139	11.5	158	11.9	129	10.1	102	8.3	104	8.4	94	7.6	114	9.5
Cheyenne	31	12.9	27	12.0	30	14.1	21	9.0	15	6.2	19	8.1	12	5.3	11	4.5
Clear Creek	68	13.6	81	13.4	97	13.3	104	13.8	74	9.6	67	8.5	73	9.7	80	10.8
Conejos	66	8.4	48	5.9	13	1.7	49	6.0	44	5.5	40	4.9	30	3.6	33	4.0
Costilla	45	14.6	30	9.5	21	6.9	0	0.0	0	0.0	0	0.0	16	4.8	0	0.0
Crowley	18	5.8	33	9.9	28	9.5	24	7.9	20	6.2	19	5.8	15	4.4	13	3.0
Custer	14	12.3	9	7.9	15	10.0	19	10.0	14	6.7	3	1.4	5	2.4	0	0.0
Delta	255	16.7	179	10.2	249	11.6	204	8.4	168	7.0	151	6.6	165	7.3	159	7.1
Denver	7,763	15.0	7,576	15.1	7,645	15.5	6,694	13.2	6,422	12.6	6,059	11.8	5,494	10.7	4,966	9.9
Dolores	15	9.2	21	13.2	12	7.4	19	11.4	4	2.6	8	5.3	13	8.7	9	5.6
Douglas	200	23.2	171	11.6	230	9.0	252	7.4	262	7.1	280	6.8	303	7.0	300	6.4
Eagle	55	7.1	109	10.2	200	14.9	249	14.7	191	10.5	267	14.0	230	11.9	236	11.8
Elbert	7	1.8	28	5.6	44	6.4	41	5.0	40	4.7	49	5.6	42	4.6	48	5.0
El Paso	2,818	11.8	3,451	11.7	4,396	14.1	4,891	13.8	4,850	13.1	4,838	12.7	4,803	12.2	4,625	11.7
Fremont	271	12.2	258	9.7	325	11.3	311	10.2	263	8.7	280	9.4	291	9.7	271	9.0
Garfield	167	11.1	210	11.3	326	14.2	330	13.1	336	13.4	260	10.2	280	10.9	295	11.2
Gilpin	44	33.8	27	14.5	32	13.2	38	14.0	23	8.4	32	11.4	29	10.4	28	10.6
Grand	34	8.0	63	9.7	127	16.9	110	11.9	120	12.5	102	10.6	86	9.1	87	9.6
Gunnison	79	10.2	101	11.0	137	12.8	118	10.7	116	10.4	111	9.4	142	11.8	122	10.1
Hinsdale	2	9.7	8	22.9	6	15.8	6	12.6	9	24.1	11	30.6	18	46.8	6	16.9
Huerfano	77	11.8	72	10.8	61	9.5	63	9.1	53	7.3	41	5.7	25	3.5	27	3.9
Jackson	19	10.3	8	4.6	11	6.0	13	7.7	8	5.0	17	10.9	14	8.7	16	10.4
Jefferson	1,968	8.3	2,372	7.5	3,303	8.8	3,543	8.7	3,427	8.3	3,349	8.0	3,370	8.0	3,288	7.8
Kiowa	27	13.3	17	8.2	8	4.2	17	8.7	14	7.6	8	4.4	11	6.2	11	6.3
Kit Carson	86	11.3	73	9.4	108	14.3	70	8.8	54	7.0	62	8.1	68	9.0	80	10.5
Lake	120	14.4	107	12.3	151	17.1	71	9.7	68	9.8	85	12.8	60	9.6	58	9.7
La Plata	246	12.7	317	13.4	392	14.4	457	14.9	396	12.9	408	13.5	411	13.6	412	13.6
Larimer	1,009	11.0	1,217	10.1	1,639	10.9	1,807	10.9	1,798	10.6	1,790	10.3	1,733	9.7	1,801	10.0
Las Animas	171	10.8	106	6.7	135	9.1	116	7.9	96	6.7	83	5.9	96	6.6	101	7.1
Lincoln	34	7.0	47	9.3	65	14.1	50	11.2	52	11.3	36	8.1	47	10.5	53	11.4
Logan	245	13.0	251	12.9	272	13.7	204	10.2	184	9.3	182	9.6	160	8.5	161	8.4
Mesa	617	11.3	698	11.0	1,103	13.4	964	10.3	883	10.0	750	8.7	777	9.0	816	9.2
Mineral	8	10.1	8	10.0	20	25.6	14	17.6	18	23.6	17	24.4	7	10.6	8	13.2
Moffat	73	11.2	128	16.1	186	14.1	139	10.1	116	9.2	104	8.7	82	7.4	102	9.4
Montezuma	144	11.0	110	7.3	204	12.3	189	10.1	206	11.4	150	8.6	175	10.5	166	10.2
Montrose	163	8.9	191	9.2	298	12.2	228	8.8	212	8.3	167	6.6	225	8.8	240	9.2
Morgan	214	10.5	202	9.2	255	11.3	214	9.3	195	8.6	173	7.9	194	8.7	204	9.1
Otero	247	10.5	252	10.4	237	10.5	190	8.6	179	8.1	178	8.1	168	7.8	104	4.8
Ouray	17	11.0	16	8.7	35	18.4	26	12.6	24	12.2	27	14.8	31	15.8	52	26.8
Park	27	12.2	23	7.1	38	7.0	46	7.4	46	7.6	31	5.0	28	4.6	34	5.6
Phillips	27	6.6	53	12.4	31	6.9	41	9.2	32	7.1	29	6.4	30	6.6	11	2.5
Pitkin	118	18.6	183	20.1	250	24.4	259	22.8	268	22.2	285	22.0	270	20.4	313	23.1
Prowers	212	15.9	144	10.4	156	12.0	161	11.4	129	9.1	131	9.5	140	10.2	141	10.2
Pueblo	1,339	11.3	1,210	9.6	1,289	10.2	1,110	8.8	1,045	8.2	994	7.7	1,014	7.8	944	7.1
Rio Blanco	49	10.1	60	11.5	69	10.9	68	10.6	64	10.7	61	10.6	50	8.8	43	7.9
Rio Grande	87	8.3	112	10.3	120	11.4	131	11.6	106	9.3	103	8.8	98	8.4	111	9.7
Routt	67	9.9	112	11.4	180	13.4	201	13.8	142	9.7	174	12.1	186	12.8	171	11.8
Saguache	19	5.0	29	7.0	20	5.1	19	4.8	25	6.4	12	3.0	21	5.1	15	3.8
San Juan	15	18.1	14	15.7	22	26.9	19	21.1	11	14.7	13	17.5	13	16.1	29	39.0
San Miguel	2	1.0	49	21.5	53	16.8	34	10.7	48	13.8	43	11.5	55	14.0	51	12.4

Place	1970 Number	1970 Rate	1975 Number	1975 Rate	1980 Number	1980 Rate	1984 Number	1984 Rate	1985 Number	1985 Rate	1986 Number	1986 Rate	1987 Number	1987 Rate	1988 Number	1988 Rate
Sedgwick	58	17.0	54	15.8	59	18.3	49	15.0	41	13.3	36	12.3	32	10.9	30	10.2
Summit	23	8.2	97	16.4	194	21.8	239	19.0	230	16.9	248	17.4	238	17.6	265	19.3
Teller	30	8.8	43	7.4	79	9.8	76	7.4	78	7.4	85	7.8	62	5.4	84	7.4
Washington	48	8.7	40	7.7	93	17.7	38	7.0	30	5.6	41	8.0	32	6.3	28	5.6
Weld	968	10.7	948	8.7	1,001	8.1	1,030	7.7	1,030	7.5	1,054	7.7	918	6.6	968	6.8
Yuma	76	8.9	77	8.7	68	7.0	76	7.6	50	5.0	36	3.7	63	6.6	70	7.2
Planning and Management Regions																
PMR 1	668	11.0	677	10.7	778	12.0	622	9.4	532	8.1	497	7.9	511	8.1	504	7.9
2	1,977	10.9	2,165	9.5	2,640	9.6	2,837	9.5	2,828	9.2	2,844	9.1	2,651	8.3	2,769	8.6
3	14,092	11.2	15,473	10.7	19,589	12.0	20,295	11.2	19,073	10.4	18,620	10.0	17,879	9.6	17,412	9.4
4	2,875	11.8	3,517	11.6	4,513	13.9	5,013	13.5	4,974	12.9	4,954	12.5	4,893	11.9	4,743	11.5
5	158	8.4	175	8.8	247	11.7	182	7.9	161	6.9	166	7.2	169	7.2	192	7.9
6	579	10.7	537	9.7	515	10.0	469	9.0	406	7.8	404	7.9	403	8.0	340	6.6
7	1,339	11.3	1,210	9.6	1,289	10.2	1,110	8.8	1,045	8.2	994	7.7	1,014	7.8	944	7.1
8	377	10.0	416	10.6	396	10.5	358	9.0	369	9.3	339	8.3	312	7.6	310	7.7
9	448	11.9	492	11.2	681	13.6	740	13.0	693	12.3	619	11.2	679	12.5	679	12.6
10	518	11.5	544	10.5	778	12.5	616	9.2	577	8.7	510	7.7	636	9.6	630	9.4
11	906	11.2	1,096	11.5	1,684	13.5	1,501	10.8	1,399	10.6	1,175	9.1	1,189	9.2	1,256	9.6
12	316	10.6	572	13.1	962	17.4	1,071	16.1	959	13.7	1,093	15.2	1,024	14.3	1,088	15.0
13	499	11.9	513	10.6	649	12.4	530	10.1	447	8.7	472	9.3	450	8.9	443	8.8
14	248	11.1	178	7.9	196	9.2	179	8.3	149	6.9	124	5.8	121	5.6	128	6.0
Metro/Non-Metro																
Denver PMSA	12,589	11.3	13,590	10.7	17,024	11.8	17,462	11.0	16,464	10.2	16,150	9.9	15,486	9.5	14,985	9.2
Denver CMSA	13,980	11.2	15,365	10.7	19,460	11.9	20,153	11.2	18,976	10.4	18,521	10.1	17,777	9.6	17,304	9.4
Total Metro	20,114	11.3	22,191	10.6	27,785	11.9	28,991	11.3	27,699	10.6	27,197	10.2	26,245	9.7	25,662	9.5
Non-Metro	4,886	11.1	5,374	10.7	7,132	12.6	6,532	10.7	5,913	9.8	5,614	9.4	5,686	9.5	5,796	9.6
Five-Region Substate Groups																
Front Range	20,114	11.3	22,191	10.6	27,785	11.9	28,991	11.3	27,699	10.6	27,197	10.2	26,245	9.7	25,642	9.5
Western Slope	2,188	11.3	2,704	11.5	4,105	14.0	3,928	11.9	3,628	11.2	3,397	10.5	3,528	11.0	3,653	11.3
Eastern Plains	1,405	10.5	1,389	10.0	1,540	11.2	1,273	9.0	1,099	7.8	1,067	7.8	1,083	7.9	1,036	7.4
San Luis Valley	377	10.0	416	10.6	396	10.5	358	9.0	369	9.3	339	8.3	312	7.6	310	7.7
Eastern Mtns	916	12.0	865	9.8	1,091	11.3	973	9.7	817	8.2	811	8.1	763	7.6	797	8.1
Population-Based Region																
1 Denver	7,763	15.0	7,576	15.1	7,645	15.5	6,694	13.2	6,422	12.6	6,059	11.8	5,494	10.7	4,966	9.9
2 Jefferson	1,968	8.3	2,372	7.5	3,303	8.8	3,543	8.7	3,427	8.3	3,349	8.0	3,370	8.0	3,288	7.8
3 Boulder	1,391	10.4	1,775	10.6	2,436	12.8	2,691	12.7	2,512	11.9	2,371	11.1	2,291	10.6	2,319	10.5
4 Adams	1,118	6.0	1,542	7.0	1,945	7.9	2,384	9.0	2,079	7.7	2,147	8.0	2,158	8.0	2,161	8.0
5 Arapahoe	1,540	9.4	1,929	8.8	3,901	13.1	4,589	12.5	4,274	11.3	4,315	11.2	4,161	10.8	4,270	11.1
6 El Paso	2,818	11.8	3,451	11.7	4,396	14.1	4,891	13.8	4,850	13.1	4,838	12.7	4,803	12.2	4,625	11.7
7 Larimer	1,009	11.0	1,217	10.1	1,639	10.9	1,807	10.9	1,798	10.6	1,790	10.3	1,733	9.7	1,801	10.0
8 Pueblo	1,339	11.3	1,210	9.6	1,289	10.2	1,110	8.8	1,045	8.2	994	7.7	1,014	7.8	944	7.1
9 Weld	968	10.7	948	8.7	1,001	8.1	1,030	7.7	1,030	7.5	1,054	7.7	918	6.6	968	6.8
10 Northwest Reg	906	11.2	1,096	11.5	1,684	13.5	1,501	10.8	1,399	10.6	1,175	9.1	1,189	9.2	1,256	9.6
11 Western Reg	834	11.1	1,116	11.7	1,740	14.8	1,687	12.6	1,536	11.3	1,603	11.6	1,660	12.0	1,718	12.3
12 Eastern Reg	1,405	10.5	1,389	10.0	1,540	11.2	1,273	9.0	1,099	7.8	1,067	7.8	1,083	7.9	1,036	7.4
13 Central Reg	868	13.9	858	10.7	1,125	11.1	1,046	9.3	930	8.1	967	8.1	945	7.7	969	7.8
14 Southern Reg	1,073	11.0	1,086	10.3	1,273	11.7	1,277	10.8	1,211	10.3	1,082	9.2	1,112	9.5	1,117	9.7

Rates are per 1,000 population. Rates based on few actual cases must be viewed with caution.
See inside back cover for descriptions of regions.

Table 99. Marriage Dissolutions and Rates by County and Region: Colorado Occurrences, 1970, 1975, 1980, 1984-88

Place	1970		1975		1980		1984		1985		1986		1987		1988	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Colorado	10,400	4.7	15,733	6.1	18,571	6.4	19,532	6.1	18,778	5.8	18,951	5.8	18,590	5.6	18,651	5.6
Adams	666	3.6	1,267	5.8	1,346	5.4	1,359	5.1	1,266	4.7	1,281	4.8	1,259	4.7	1,431	5.3
Alamosa	38	3.3	87	7.1	128	10.8	106	8.5	83	6.7	107	8.4	91	7.2	102	7.9
Arapahoe	894	5.5	1,452	6.6	1,722	5.8	1,844	5.0	2,039	5.4	2,326	6.0	2,062	5.3	2,159	5.6
Archuleta	7	2.6	11	3.7	18	4.9	30	6.1	30	5.8	42	7.9	47	8.9	30	6.0
Baca	31	5.5	17	3.0	25	4.7	23	4.6	18	3.8	16	3.6	20	4.5	28	6.1
Bent	12	1.8	24	3.7	19	3.2	17	2.9	19	3.3	19	3.3	18	3.3	16	2.9
Boulder	710	5.3	1,125	6.7	1,194	6.3	1,495	7.1	1,215	5.8	1,380	6.5	1,414	6.5	1,386	6.3
Chaffee	54	5.2	82	6.8	106	8.0	102	8.0	90	7.4	129	10.5	121	9.8	88	7.3
Cheyenne	6	2.5	6	2.7	3	1.4	8	3.4	10	4.1	8	3.4	9	3.9	18	7.4
Clear Creek	19	3.8	16	2.6	48	6.6	36	4.8	29	3.8	31	3.9	33	4.4	31	4.2
Conejos	14	1.8	12	1.5	12	1.5	25	3.1	14	1.8	22	2.7	16	1.9	4	0.5
Costilla	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Crowley	10	3.2	13	3.9	9	3.0	7	2.3	9	2.8	4	1.2	4	1.2	4	0.9
Custer	2	1.8	2	1.7	5	3.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Delta	0	0.0	94	5.3	118	5.5	137	5.6	133	5.6	116	5.1	112	5.0	112	5.0
Denver	3,292	6.4	3,738	7.5	3,567	7.2	4,310	8.5	3,633	7.1	3,447	6.7	3,236	6.3	2,927	5.8
Dolores	0	0.0	1	0.6	3	1.8	6	3.6	6	3.9	2	1.3	3	2.0	4	2.5
Douglas	25	2.9	39	2.6	109	4.3	120	3.5	161	4.4	191	4.6	191	4.4	247	5.3
Eagle	5	0.6	48	4.5	72	5.4	92	5.4	80	4.4	76	4.0	100	5.2	87	4.3
Elbert	4	1.0	5	1.0	19	2.8	13	1.6	6	0.7	0	0.0	6	0.7	21	2.2
El Paso	1,272	5.3	1,736	5.9	2,393	7.7	2,658	7.5	2,562	6.9	2,572	6.8	2,668	6.8	2,615	6.6
Fremont	77	3.5	52	2.0	216	7.5	271	8.9	228	7.5	196	6.6	223	7.4	192	6.4
Garfield	63	4.2	124	6.7	181	7.9	164	6.5	197	7.8	174	6.8	155	6.1	151	5.8
Gilpin	10	7.7	11	5.9	5	2.1	12	4.4	13	4.8	9	3.2	10	3.6	12	4.5
Grand	11	2.6	34	5.2	33	4.4	57	6.2	48	5.0	43	4.5	37	3.9	50	5.5
Gunnison	16	2.1	37	4.0	73	6.8	55	5.0	52	4.7	51	4.3	51	4.3	33	2.7
Hinsdale	0	0.0	4	11.5	0	0.0	5	10.5	3	8.0	3	8.4	6	15.6	0	0.0
Huerfano	13	2.0	20	3.0	26	4.1	31	4.5	36	5.0	24	3.3	18	2.5	18	2.6
Jackson	3	1.6	5	2.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	960	4.0	1,824	5.8	2,542	6.8	2,197	5.4	2,375	5.7	2,339	5.6	2,371	5.6	2,584	6.1
Kiowa	4	2.0	1	0.5	5	2.6	3	1.5	5	2.7	2	1.1	4	2.2	5	2.9
Kit Carson	9	1.2	33	4.3	36	4.8	25	3.1	25	3.2	27	3.5	11	1.5	20	2.6
Lake	23	2.8	56	6.5	75	8.5	53	7.3	32	4.6	40	6.0	34	5.4	23	3.8
La Plata	82	4.2	132	5.6	182	6.7	206	6.7	213	6.9	249	8.3	192	6.4	181	6.0
Larimer	343	3.8	844	7.0	908	6.1	985	5.9	939	5.5	914	5.2	940	5.3	1,011	5.6
Las Animas	45	2.8	57	3.6	76	5.1	47	3.2	76	5.3	66	4.7	45	3.1	77	5.4
Lincoln	11	2.3	13	2.6	19	4.1	29	6.5	26	5.6	25	5.6	37	8.2	22	4.7
Logan	55	2.9	71	3.7	87	4.4	72	3.6	89	4.5	95	5.0	83	4.4	93	4.9
Mesa	303	5.6	475	7.5	663	8.0	658	7.0	594	6.7	535	6.2	532	6.2	595	6.7
Mineral	2	2.5	1	1.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Moffat	9	1.4	48	6.0	111	8.4	80	5.8	83	6.6	77	6.5	49	4.4	74	6.8
Montezuma	61	4.7	80	5.3	136	8.2	111	5.9	102	5.7	107	6.2	143	8.6	99	6.1
Montrose	74	4.0	122	5.9	151	6.2	184	7.1	162	6.3	160	6.4	183	7.2	156	6.0
Morgan	62	3.1	100	4.6	150	6.7	117	5.1	130	5.7	120	5.5	109	4.9	130	5.8
Otero	81	3.5	183	7.6	132	5.9	115	5.2	126	5.7	131	6.0	132	6.1	120	5.6
Ouray	0	0.0	7	3.8	7	3.7	7	3.4	11	5.6	8	4.4	5	2.6	7	3.6
Park	0	0.0	3	0.9	16	3.0	30	4.8	22	3.6	34	5.5	27	4.4	31	5.2
Phillips	7	1.7	17	4.0	19	4.2	22	4.9	19	4.2	16	3.5	14	3.1	7	1.6
Pitkin	21	3.3	82	9.0	80	7.8	25	2.2	97	8.0	61	4.7	80	6.0	71	5.2
Prowers	38	2.9	90	6.5	77	5.9	28	2.0	87	6.2	93	6.7	76	5.6	70	5.1
Pueblo	586	4.9	687	5.4	750	6.0	655	5.2	637	5.0	630	4.9	661	5.1	598	4.5
Rio Blanco	7	1.4	22	4.2	39	6.2	37	5.8	46	7.7	49	8.5	40	7.1	32	5.9
Rio Grande	29	2.8	33	3.0	36	3.4	75	6.7	48	4.2	44	3.7	54	4.6	55	4.8
Routt	12	1.8	76	7.8	95	7.1	73	5.0	82	5.6	72	5.0	91	6.3	97	6.7
Saguache	5	1.3	5	1.2	9	2.3	14	3.5	14	3.6	15	3.7	13	3.2	23	5.9
San Juan	0	0.0	4	4.5	4	4.9	5	5.5	5	6.7	9	12.1	5	6.2	2	2.7
San Miguel	2	1.0	10	4.4	13	4.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Place	1970 Number	1970 Rate	1975 Number	1975 Rate	1980 Number	1980 Rate	1984 Number	1984 Rate	1985 Number	1985 Rate	1986 Number	1986 Rate	1987 Number	1987 Rate	1988 Number	1988 Rate
Sedgwick	12	3.5	4	1.2	7	2.2	8	2.5	14	4.5	12	4.1	10	3.4	16	5.4
Summit	5	1.8	51	8.6	57	6.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Teller	0	0.0	6	1.0	23	2.8	21	2.0	34	3.2	33	3.0	27	2.4	31	2.7
Washington	7	1.3	13	2.5	18	3.4	18	3.3	17	3.2	23	4.5	18	3.5	29	5.7
Weld	274	3.0	504	4.6	564	4.6	612	4.6	639	4.7	662	4.8	659	4.7	585	4.1
Yuma	17	2.0	17	1.9	33	3.4	37	3.7	49	4.9	34	3.5	35	3.7	41	4.2
Planning and Management Regions																
PMR 1	160	2.6	222	3.5	314	4.8	274	4.1	318	4.9	300	4.7	269	4.3	316	5.0
2	617	3.4	1,348	5.9	1,472	5.4	1,597	5.3	1,578	5.1	1,576	5.1	1,599	5.0	1,596	5.0
3	6,576	5.2	9,472	6.6	10,533	6.4	11,373	6.3	10,731	5.9	11,004	5.9	10,576	5.7	10,777	5.8
4	1,272	5.2	1,745	5.8	2,432	7.5	2,709	7.3	2,618	6.8	2,639	6.6	2,722	6.6	2,677	6.5
5	30	1.6	57	2.9	77	3.6	75	3.3	67	2.9	60	2.6	63	2.7	81	3.3
6	176	3.3	328	5.9	267	5.2	193	3.7	264	5.1	265	5.2	254	5.1	243	4.7
7	586	4.9	687	5.4	750	6.0	655	5.2	637	5.0	630	4.9	661	5.1	598	4.5
8	88	2.3	138	3.5	186	4.9	220	5.5	159	4.0	188	4.6	174	4.3	184	4.6
9	150	4.0	228	5.2	343	6.9	358	6.3	356	6.3	409	7.4	390	7.2	316	5.9
10	92	2.0	274	5.3	362	5.8	388	5.8	361	5.4	338	5.1	357	5.4	308	4.6
11	382	4.7	669	7.0	994	8.0	939	6.7	920	7.0	835	6.5	776	6.0	852	6.5
12	57	1.9	296	6.8	337	6.1	247	3.7	307	4.4	252	3.5	308	4.3	305	4.2
13	156	3.7	192	4.0	402	7.7	426	8.1	350	6.8	365	7.2	378	7.5	303	6.0
14	58	2.6	77	3.4	102	4.8	78	3.6	112	5.2	90	4.2	63	2.9	95	4.5
Metro/Non-Metro																
Denver PMSA	5,837	5.2	8,320	6.6	9,286	6.5	9,830	6.2	9,474	5.9	9,584	5.9	9,119	5.6	9,348	5.8
Denver CMSA	6,547	5.2	9,445	6.6	10,480	6.4	11,325	6.3	10,689	5.9	10,964	6.0	10,533	5.7	10,734	5.8
Total Metro	9,022	5.0	13,216	6.3	15,095	6.4	16,235	6.3	15,466	5.9	15,742	5.9	15,461	5.7	15,543	5.8
Non-Metro	1,378	3.1	2,517	5.0	3,476	6.2	3,297	5.4	3,312	5.5	3,209	5.3	3,129	5.2	3,108	5.2
Five-Region Substate Groups																
Front Range	9,022	5.0	13,216	6.3	15,095	6.4	16,235	6.3	15,466	5.9	15,742	5.9	15,461	5.7	15,543	5.8
Western Slope	681	3.5	1,467	6.2	2,036	7.0	1,932	5.9	1,944	6.0	1,834	5.7	1,831	5.7	1,781	5.5
Eastern Plains	366	2.7	607	4.4	658	4.8	542	3.8	649	4.6	625	4.6	586	4.3	640	4.6
San Luis Valley	88	2.3	138	3.5	186	4.9	220	5.5	159	4.0	188	4.6	174	4.3	184	4.6
Eastern Mtns	243	3.2	305	3.5	596	6.2	603	6.0	560	5.6	562	5.6	538	5.4	503	5.1
Population-Based Region																
1 Denver	3,292	6.4	3,738	7.5	3,567	7.2	4,310	8.5	3,633	7.1	3,447	6.7	3,236	6.3	2,927	5.8
2 Jefferson	960	4.0	1,824	5.8	2,542	6.8	2,197	5.4	2,375	5.7	2,339	5.6	2,371	5.6	2,584	6.1
3 Boulder	710	5.3	1,125	6.7	1,194	6.3	1,495	7.1	1,215	5.8	1,380	6.5	1,414	6.5	1,386	6.3
4 Adams	666	3.6	1,267	5.8	1,346	5.4	1,359	5.1	1,266	4.7	1,281	4.8	1,259	4.7	1,431	5.3
5 Arapahoe	894	5.5	1,452	6.6	1,722	5.8	1,844	5.0	2,039	5.4	2,326	6.0	2,062	5.3	2,159	5.6
6 El Paso	1,272	5.3	1,736	5.9	2,393	7.7	2,658	7.5	2,562	6.9	2,572	6.8	2,668	6.8	2,615	6.6
7 Larimer	343	3.8	844	7.0	908	6.1	985	5.9	939	5.5	914	5.2	940	5.3	1,011	5.6
8 Pueblo	586	4.9	687	5.4	750	6.0	655	5.2	637	5.0	630	4.9	661	5.1	598	4.5
9 Weld	274	3.0	504	4.6	564	4.6	612	4.6	639	4.7	662	4.8	659	4.7	585	4.1
10 Northwest Reg	382	4.7	669	7.0	994	8.0	939	6.7	920	7.0	835	6.5	776	6.0	852	6.5
11 Western Reg	149	2.0	570	6.0	699	6.0	635	4.8	668	4.9	590	4.3	665	4.8	613	4.4
12 Eastern Reg	366	2.7	607	4.4	658	4.8	542	3.8	649	4.6	625	4.6	586	4.3	640	4.6
13 Central Reg	210	3.4	267	3.3	603	6.0	645	5.7	609	5.3	663	5.5	666	5.5	655	5.3
14 Southern Reg	296	3.0	443	4.2	631	5.8	656	5.5	627	5.3	687	5.9	627	5.4	595	5.1

Marriage dissolutions include divorces and annulments. Rates are per 1,000 population. Rates based on few actual cases must be viewed with caution. See inside back cover for descriptions of regions.

Part Nine. Adoptions, Legitimations, Adjudications

A total of 3,089 Colorado adoptions, legitimations and paternity adjudications were processed by the Health Statistics and Vital Records Division in 1988. This figure compares with 3,780 in 1987, 4,007 in 1986, and 3,250 in 1985. Table 100 presents counts for the years 1983-88. Adoptions by type and sex of adoptee for 1988 appear in Table 101. Legitimations and paternity adjudications also are included. Data are compiled by year processed.

Adoptions

A total of 2,140 adoptions were processed in Colorado in 1988, down from 2,439 in 1987. Of all adoptions in 1988, 1,277 were stepparent adoptions, 747 were both-parent adoptions, 73 were single-parent adoptions, and 43 were relative adoptions.

Legitimations

Legitimations are the result of the intermarriage of the natural parents following the birth of a child. Legitimations totalled 418 in 1988, compared with 560 in 1987 and 533 in 1986.

Paternity Adjudications

Paternity adjudications are determinations of paternity by a district or juvenile court. They totalled 531 in 1988, down from 781 in 1987 and 721 in 1986.

Age of Adoptee

Age of adoptees vary by adoption type. Infants accounted for 42.0 percent and children less than 5 years of age accounted for three-fourths of all both-parent adoptions in 1988. Stepparent, single-parent, and relative adoptions were more frequent among older children.

Age distributions in legitimations and paternity adjudications compared closely with those for both-parent adoptions. Children under 5 years of age were involved in 87.6 percent of legitimations and 77.0 percent of paternity adjudications in 1988. Table 102 shows type of adoption by age and sex of adoptee in 1988.

Race of Adoptee

Whites accounted for 89.6 percent of adoptees (including legitimations and paternity adjudications) in 1988, up slightly from 86.7 percent in 1987. Table 103 shows type of adoption and race of adoptee by age of natural mother at birth for Colorado.

Age of Natural Mother

While teen mothers were responsible for one in ten live births in Colorado in 1988, teens were the natural mothers in one in three adoptions. Natural mothers in adoptions were younger than mothers in total live births, especially so for legitimations (39.2 percent) and both-parent adoptions (35.2 percent).

Adoptions by County and Region

Table 104 shows adoptions by type, legitimations and paternity adjudications by county and region of birth for adoptions processed in Colorado in 1988.

Table 100. Adoptions, Legitimations, and Adjudications Processed in Colorado by Year of Decree, 1983-87

Year of Decree	Year Processed											
	1983		1984		1985		1986		1987		1988	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	3,636	100.0	3,561	100.0	3,250	100.0	4,007	100.0	3,780	100.0	3,089	100.0
Prior to 1970	67	1.8	43	1.2	42	1.3	35	0.9	26	0.7	26	0.8
1970-74	24	0.7	14	0.4	15	0.5	18	0.4	8	0.2	7	0.2
1975-77	23	0.6	14	0.4	13	0.4	12	0.3	30	0.8	14	0.5
1978	37	1.0	5	0.1	7	0.2	9	0.2	3	0.1	5	0.2
1979	46	1.3	35	1.0	12	0.4	11	0.3	7	0.2	8	0.3
1980	61	1.7	44	1.2	19	0.6	18	0.4	8	0.2	16	0.5
1981	103	2.8	65	1.8	47	1.4	37	0.9	23	0.6	13	0.4
1982	541	14.9	104	2.9	96	3.0	62	1.5	91	2.4	32	1.0
1983	2,734	75.2	500	14.0	139	4.3	98	2.4	60	1.6	54	1.7
1984	-	-	2,737	76.9	485	14.9	135	3.4	103	2.7	42	1.4
1985	-	-	-	-	2,373	73.0	782	19.5	112	3.0	51	1.7
1986	-	-	-	-	-	-	2,790	69.6	567	15.0	83	2.7
1987	-	-	-	-	-	-	-	-	2,729	72.2	563	18.2
1988	-	-	-	-	-	-	-	-	-	-	2,175	70.4

Columns may not add to total because of unrecorded year of decree.

Table 101. Type of Adoption and Sex of Adoptee for Adoptions Processed in Colorado, 1988

Type of Adoption	Sex	Total Processed	Adoption in Colorado, Place of Birth			Colorado Births, Place of Adoption		
			Total	Colorado	Out-of-State	Total	Colorado	Out-of-State
Total	Total	3,089	2,504	2,057	447	2,642	2,057	585
	Male	1,556	1,272	1,046	226	1,330	1,046	284
	Female	1,532	1,231	1,011	220	1,312	1,011	301
Both-Parent Adoption	Total	747	581	507	74	673	507	166
	Male	399	325	282	43	356	282	74
	Female	348	256	225	31	317	225	92
Stepparent Adoption	Total	1,277	916	576	340	937	576	361
	Male	641	456	287	169	472	287	185
	Female	635	459	289	170	465	289	176
Single-Parent Adoption	Total	73	58	37	21	52	37	15
	Male	30	24	14	10	20	14	6
	Female	43	34	23	11	32	23	9
Legitimation	Total	418	418	418	0	418	418	0
	Male	204	204	204	0	204	204	0
	Female	214	214	214	0	214	214	0
Relative Adoption	Total	43	21	17	4	39	17	22
	Male	23	13	12	1	22	12	10
	Female	20	8	5	3	17	5	12
Paternity Adjudication	Total	531	510	502	8	523	502	21
	Male	259	250	247	3	256	247	9
	Female	272	260	255	5	267	255	12

A total of 209 foreign-born adoptions are not included in these counts.
Columns may not add to total because of sex not stated.

Table 102. Type of Adoption by Age and Sex of Adoptee for Adoptions Processed in Colorado, 1988

Type of Adoption	Sex	Total Processed	Age									
			<1	1	2	3	4	5-9	10-14	15-19	20+	Not Stated
Total	Total	3,089	700	325	230	167	206	851	427	145	35	3
	Male	1,556	365	172	118	78	105	422	210	65	21	0
	Female	1,532	335	153	112	89	101	428	217	80	14	3
Both-Parent Adoption	Total	747	314	113	51	43	37	119	50	18	2	0
	Male	399	174	61	33	19	23	60	22	6	1	2
	Female	348	140	52	18	24	14	59	28	12	1	0
Stepparent Adoption	Total	1,277	17	19	39	53	87	598	327	109	28	0
	Male	641	9	11	20	23	40	302	166	52	18	0
	Female	635	8	8	19	30	47	295	161	57	10	0
Single-Parent Adoption	Total	73	4	1	5	3	5	18	22	10	5	0
	Male	30	2	0	3	0	4	7	10	2	2	0
	Female	43	2	1	2	3	1	11	12	8	3	0
Legitimation	Total	418	181	67	60	29	29	43	8	0	0	1
	Male	204	87	30	28	16	17	21	5	0	0	0
	Female	214	94	37	32	13	12	22	3	0	0	1
Relative Adoption	Total	43	5	3	4	2	7	14	6	2	0	0
	Male	23	4	2	2	1	4	5	3	2	0	0
	Female	20	1	1	2	1	3	9	3	0	0	0
Paternity Adjudication	Total	531	179	122	71	37	41	59	14	6	0	2
	Male	259	89	68	32	19	17	27	4	3	0	0
	Female	272	90	54	39	18	24	32	10	3	0	2

Columns may not add to total because of sex not stated.

Table 103. Type of Adoption and Race of Adoptee by Age of Natural Mother at Birth for Adoptions Processed in Colorado, 1988

Type of Adoption	Race	Total Processed	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown/ Not Stated
Total	Total	3,089	18	895	1,047	469	156	46	12	2	444
	White	2,768	15	808	921	414	140	42	9	2	417
	Black	221	3	57	81	45	13	4	0	0	18
	Native American	28	0	9	11	3	2	0	0	0	3
	Other	23	0	3	14	4	0	0	0	0	2
	Not Stated	49	0	18	20	3	1	0	3	0	4
Both-Parent Adoption	Total	747	11	252	251	100	36	13	6	2	76
	White	666	9	229	216	90	35	13	4	2	68
	Black	39	2	8	17	8	0	0	0	0	4
	Native American	10	0	3	4	2	1	0	0	0	0
	Other	5	0	1	3	0	0	0	0	0	1
	Not Stated	27	0	11	11	0	0	0	2	0	3
Stepparent Adoption	Total	1,277	0	276	422	195	45	5	0	0	334
	White	1,214	0	263	397	188	44	5	0	0	317
	Black	25	0	6	5	2	0	0	0	0	12
	Native American	10	0	2	5	0	0	0	0	0	3
	Other	15	0	1	10	3	0	0	0	0	1
	Not Stated	13	0	4	5	2	1	0	0	0	1
Single-Parent Adoption	Total	73	1	18	22	6	3	1	1	0	21
	White	60	1	15	18	3	2	1	1	0	19
	Black	11	0	2	4	2	1	0	0	0	2
	Native American	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0
	Not Stated	2	0	1	0	1	0	0	0	0	0
Legitimation	Total	418	2	162	145	70	33	4	2	0	0
	White	359	2	144	120	59	29	3	2	0	0
	Black	50	0	14	22	9	4	1	0	0	0
	Native American	6	0	3	2	1	0	0	0	0	0
	Other	2	0	0	1	1	0	0	0	0	0
	Not Stated	1	0	1	0	0	0	0	0	0	0
Relative Adoption	Total	43	0	12	18	4	4	0	0	0	5
	White	39	0	10	16	4	4	0	0	0	5
	Black	1	0	0	1	0	0	0	0	0	0
	Native American	1	0	1	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0
	Not Stated	2	0	1	1	0	0	0	0	0	0
Paternity Adjudication	Total	531	4	175	189	94	35	23	3	0	8
	White	430	3	147	154	70	26	20	2	0	8
	Black	95	1	27	32	24	8	3	0	0	0
	Native American	1	0	0	0	0	1	0	0	0	0
	Other	1	0	1	0	0	0	0	0	0	0
	Not Stated	4	0	0	3	0	0	0	1	0	0

Table 104. Type of Adoption by County and Region of Birth for Adoptions Processed in Colorado, 1988

Place	Total	Both-Parent Adoption	Stepparent Adoption	Single-Parent Adoption	Legitimation	Relative Adoption	Paternity Adjudication
Colorado	3,089	747	1,277	73	418	43	531
Adams	121	24	53	1	25	4	14
Alamosa	14	6	3	1	4	0	0
Arapahoe	161	47	61	2	22	3	26
Archuleta	0	0	0	0	0	0	0
Baca	1	0	1	0	0	0	0
Bent	2	0	2	0	0	0	0
Boulder	105	35	48	2	14	3	3
Chaffee	9	2	1	1	5	0	0
Cheyenne	1	0	1	0	0	0	0
Clear Creek	0	0	0	0	0	0	0
Conejos	5	1	2	0	2	0	0
Costilla	0	0	0	0	0	0	0
Crowley	1	1	0	0	0	0	0
Custer	0	0	0	0	0	0	0
Delta	14	2	4	0	0	0	8
Denver	1,081	297	313	18	185	17	251
Dolores	0	0	0	0	0	0	0
Douglas	0	0	0	0	0	0	0
Eagle	7	3	2	0	1	0	1
Elbert	0	0	0	0	0	0	0
El Paso	363	79	152	8	55	4	65
Fremont	17	5	5	0	1	0	6
Garfield	15	4	5	0	4	0	2
Gilpin	0	0	0	0	0	0	0
Grand	4	0	2	1	0	0	1
Gunnison	5	0	3	0	2	0	0
Hinsdale	0	0	0	0	0	0	0
Huerfano	3	1	1	0	0	0	1
Jackson	0	0	0	0	0	0	0
Jefferson	70	22	37	0	7	0	4
Kiowa	3	2	0	0	0	0	1
Kit Carson	10	1	8	0	1	0	0
Lake	9	1	6	0	1	0	1
La Plata	30	6	11	1	8	0	4
Larimer	87	25	45	0	14	0	3
Las Animas	12	2	2	3	1	0	4
Lincoln	5	0	2	0	1	0	2
Logan	17	6	8	0	3	0	0
Mesa	61	23	27	0	8	0	3
Mineral	0	0	0	0	0	0	0
Moffat	9	2	3	0	2	1	1
Montezuma	10	1	3	0	4	1	1
Montrose	16	3	8	1	0	0	4
Morgan	18	0	8	4	4	0	2
Otero	19	8	8	1	1	0	1
Ouray	0	0	0	1	0	0	0
Park	4	0	3	0	0	0	0
Phillips	4	0	3	0	1	0	0
Pitkin	7	2	1	0	4	0	0
Prowers	16	5	7	3	3	0	1
Pueblo	198	30	44	0	20	2	99
Rio Blanco	4	2	2	0	0	0	0
Rio Grande	6	3	1	0	0	1	1
Routt	6	3	3	0	0	0	0
Saguache	1	1	0	0	0	0	0
San Juan	0	0	0	0	0	0	0
San Miguel	0	0	0	0	0	0	0

Table 104, Continued.

Place	Total	Both-Parent Adoption	Stepparent Adoption	Single-Parent Adoption	Legitimation	Relative Adoption	Paternity Adjudication
Sedgwick	1	0	1	0	0	0	0
Summit	0	0	0	0	0	0	0
Teller	0	0	0	0	0	0	0
Washington	3	0	3	0	0	0	0
Weld	78	16	32	3	12	2	13
Yuma	9	2	2	1	3	1	0
Planning and Management Regions							
PMR 1	52	8	25	5	11	1	2
2	165	41	77	3	26	2	16
3	1,538	425	512	23	253	27	298
4	367	79	155	8	55	4	65
5	16	1	11	0	2	0	2
6	42	16	18	4	4	0	3
7	198	30	44	0	20	2	99
8	26	11	6	1	6	1	1
9	40	7	14	1	12	1	5
10	35	5	15	2	2	0	12
11	89	31	37	0	14	1	6
12	24	8	8	1	5	0	2
13	35	8	12	1	7	0	7
14	15	3	3	3	1	0	5
Metro/Non-Metro							
Denver PMSA	1,433	390	464	21	239	24	295
Denver CMSA	1,538	425	512	23	253	27	298
Total Metro	2,264	575	785	34	354	35	478
Non-Metro	378	98	152	18	64	4	45
Five-Region Substate Groups							
Front Range	2,264	575	785	34	354	35	478
Western Slope	188	51	74	4	33	2	25
Eastern Plains	110	25	54	9	17	1	7
San Luis Valley	26	11	6	1	6	1	1
Eastern Mtns	54	11	18	4	8	0	12
Population-Based Regions							
1 Denver	1,081	297	313	18	185	17	251
2 Jefferson	70	22	37	0	7	0	4
3 Boulder	105	35	48	2	14	3	3
4 Adams	121	24	53	1	25	4	14
5 Arapahoe	161	47	61	2	22	3	26
6 El Paso	363	79	152	8	55	4	65
7 Larimer	87	25	45	0	14	0	3
8 Pueblo	198	30	44	0	20	2	99
9 Weld	78	16	32	3	12	2	13
10 Northwest Reg	89	31	37	0	14	1	6
11 Western Reg	59	13	23	3	7	0	14
12 Eastern Reg	110	25	54	9	17	1	7
13 Central Reg	39	8	15	1	7	0	7
14 Southern Reg	81	21	23	5	19	2	11
Out of State Births	447	74	340	21	0	4	8

See inside back cover for descriptions of regions.

Technical Notes

Reporting of Vital Events for 1988

Live Births

Live birth data are reported on Certificates of Live Birth. Live births occurring to Colorado residents outside the state are included in resident live birth data by interstate exchange of records. Reporting of live births is considered to be complete.

Spontaneous Fetal Death

Spontaneous fetal deaths estimated by the attending physician to be of 20 weeks or greater gestation were reported on Certificates of Fetal Death in 1988. Spontaneous fetal deaths estimated to be of less than 20 weeks gestation were reported on Report of Spontaneous or Induced Abortion forms. Resident data include only those events occurring to Colorado residents in the state.

Spontaneous fetal deaths are assumed to be underreported. The extent of underreporting is not known. Reporting is thought to be less complete with early gestations.

Induced Termination of Pregnancy

Induced terminations of pregnancy were reported on individual reports or institutional log forms. Resident induced termination of pregnancy data include only those events occurring to Colorado residents in the state.

Induced terminations of pregnancy are underreported in Colorado. An analysis of data for 1985 resulted in an estimate of 30 percent underreporting for the state in that year. It is not known if this estimate is applicable over time, by age group or other characteristic of women, or by area in the state. In addition, data for several statistical items (e.g. race) are incompletely reported.

Death

Deaths are reported on Certificates of Death. As with live births, interstate exchange of records for deaths occurring to residents out of state ensure complete resident data. Reporting is considered to be complete.

Marriage

Marriage data are compiled from marriage application forms. Data are available by place of occurrence only.

Marriage Dissolution

Divorce data are compiled from Reports of Marriage Dissolutions, Declaration of Invalidity and Legal Separation provided by district courts in the state.

Adoption

Data for adoptions, paternity adjudications and legitimations are compiled from Reports of Adoption or Paternity Determination and Certificates of Live Birth. Interstate exchange of information allows compilation of data both by place of birth and place of adoption.

Examples of Colorado vital statistics reporting forms appear beginning on page 225.

Population Data

Colorado population data used in the calculation of rates for years 1980-89 in this report (except race-specific rates) are 1988-based midyear preliminary estimates and projections from the Demographic Section, Colorado Department of Local Affairs. These population figures are subject to revision and should not be considered official estimates. When appropriate, rates for years before 1988 have been updated with more current population figures and thereforemay differ from previously published data. Vital statistics using population data for denominators are not to be considered as official figures because of the likelihood of revision. Colorado population figures used in the calculation of rates for years 1961-1979 represent final midyear estimates. Population figures for years before 1961 are actual census counts for April 1. Race-specific rates were calculated from 1980-based projections from the Demographic Section.

Persons interested in obtaining additional population data or further explanations of methodology may contact the Demographic Secion at 1313 Sherman Street, Denver, CO 80203 (303) 866-3120.

Race Data

Race and ethnic statistics for live births and spontaneous fetal deaths are based on race of infant or fetus unless otherwise noted. Race and ethnic origin for live births, spontaneous fetal deaths and adoptions are assigned by an algorithm that compares entries for mother and father. Race categories used in this report include white, black, native American, Asian and other non-white.

Data for Hispanics have been compiled in several ways. First, events for white race have been divided between Spanish surname whites and Anglo (non-Spanish surname) whites by using U.S. Census Bureau lists of Hispanic surnames. Second, Spanish origin data have been compiled from responses in ethnic origin entries of records. Spanish origin is independent of race.

In some tables white race has been matched with Spanish origin to provide a third measure for Hispanic vital statistics. This category most closely approximates available population figures for Hispanics. Care must be used in any use of race and ethnic data because of differences in definitions and inconsistencies in reporting.

U.S. Data

All national vital statistics presented in this report are from the National Center for Health Statistics. U.S. data for 1987 and 1988 are provisional and subject to revision. U.S. data for years prior to 1987 are final unless otherwise noted. The National Center for Health Statistics is part of the Centers for Disease Control, Public Health Service, U.S. Department of Health and Human Services. All U.S. vital statistics in this report were published either in the Monthly Vital Statistics Report, Statistical Abstract of the United States, or Vital Statistics of the United States.

Additional U.S. data may be obtained from the Health Statistics Section or from the National Center for Health Statistics, 3700 East-West Highway, Hyattsville, MD 20782 (301) 436-8500.

Small Frequencies

Many Colorado counties have small populations and few vital events. This makes interpretation of vital statistics in these areas difficult. Analysis of year-to-year changes or comparisons with other places are hampered by a tendency for rates to fluctuate widely. The use of average annual data increases the size of the population and number of events considered, thus providing a more reliable indicator of what is "true" for an area than single-year data. Combining data for places with small numbers of events and small populations into regions is another way of improving the reliability of data. Both average annual statistics and multi-county region data for selected events are included in this report.

Testing for statistical significance is a further way of addressing problems with small frequencies. The numbers of vital events reported for an area represent complete counts. As such, they are not subject to sampling error, although they are subject to errors in the registration process. However, when the figures are used for analytical purposes, such as the comparison of rates over a time period or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances. The probable range of values may be estimated from the actual figures according to certain

statistical assumptions. In general, distribution of vital events may be assumed to follow the binomial distribution. Estimates of standard errors and tests of significance under this assumption are described in most standard statistics texts. When the number of events is large, the standard error, expressed as a percent of the number or rate, is usually small. When the number of events is small (perhaps less than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the conditions described in the figures. Events of a rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate the error as follows:

If N is the number of births and R is the corresponding rate, the chances are 19 in 20 that

1. The "true" number of events lies between

$$N - 2\sqrt{N} \text{ and } N + 2\sqrt{N}$$

2. The "true" rate lies between

$$R - 2\frac{R}{\sqrt{N}} \text{ and } R + 2\frac{R}{\sqrt{N}}.$$

If the rate R corresponding to N events is compared with the rate S correspnding to M events, the difference between the two rates may be regarded as statistically significant if it exceeds

$$2\sqrt{\frac{R^2}{N} + \frac{S^2}{M}}.$$

For example, suppose that the observed birth rate for area A was 15.0 per 1,000 population and that this rate was based on 50 recorded births. Given the prevailing conditions, the chances are 19 in 20 that the "true" or underlying birth rate for the area lies between 10.8 and 19.2 per 1,000 population. Let it be further supposed that the birth rate for area A of 15.0 per 1,000 population is being compared with a rate of 20.0 per 1,000 population for area B, which is based on 40 recorded births. Although the difference between the rates for the two areas is 5.0, this difference is less than twice the standard error of the difference

$$2\sqrt{\frac{(15.0)^2}{50} + \frac{(20.0)^2}{40}}$$

of the two rates that is computed to be 7.6. From this, it is concluded that the difference between the rates for the two areas is not statistically significant.

The method for testing for statistical significance described above differs from that used in Table 92. For a description of the method used in this table and in the MorTabs program from which it was derived, contact the Health Statistics Section.

Colorado Life Table Definitions

Age interval in years - (1) - This column denotes the age interval (X,X+1) under consideration.

Proportion Dying in Interval (X,X+1) (2) - Consider an individual alive at the exact age x. A row in this column is an estimate of the probability that this individual will die during the age interval (X,X+1)

Number Living at Age X (3) - The first number in this column is an arbitrary starting point. It is the number of individuals born into the hypothetical cohort "entering" the life table. Each succeeding number is the number of survivors at age X based on the mortality experience of the given population. These numbers should be considered in relation to the starting point. For example, in the total Colorado table, 99,063 of the 100,000 born into the hypothetical cohort were alive on their second birthday.

Number Dying in Interval (X,X+1) (4) - This column is the number of "life table deaths" in the age interval under consideration. It has meaning only in relationship to the arbitrarily chosen number of individuals entering the hypothetical cohort. For example, in the total Colorado table, 876 infant deaths are listed. This is not the actual number of infant deaths for Colorado residents in 1988.

Fraction of Last Year of Life Lost (5) - Consider the number of people dying in the interval (X,X+1). Each of these individuals lived X years plus some fraction of time. If the deaths are assumed to occur uniformly throughout the age interval, the fraction of last year of life lost is set equal to one half. In each of the tables presented, this fraction is assumed to be less than one-half during the first year of life, which takes into consideration most infant deaths occurring in the first weeks of life rather than uniformly across this age interval. The fractions used in the table were derived from corresponding Colorado life tables for 1979-1981 produced by the National Center for Health Statistics. (U.S. Decennial Life Tables for 1979-1981 Wahington: GPO, 1985).

Numbers of Years Lived in Interval (X,X+1) (6) - This column is the sum of each single year contributed by those individuals who survived in the interval and the fractions of years contributed by those who died in the interval.

Total Number of Years Lived Beyond Age X (7) - This is the sum of the number of years lived in each interval starting with the interval beginning with age X and summing over the remaining intervals.

Observed Expectation of Life at Age X (8) - The rows of this column estimate the average number of years remaining to an individual who is now age X. It is computed by dividing figures in column 7 by figures in column 3.

Life table methodology used here is based on work by Chin Long Chiang (Introduction to Stochastic Processes in Biostatistics Wiley and Sons: NYC, 1968). Caution must be used in comparing life expectancy statistics from different sources because of the variety of methods that can be applied.

Conversion of Metric Weights to U.S. Equivalents

	<500	grams =	1 pound	1 ounce	or less			
500 -	999	grams =	1 pound	2 ounces	-	2 pounds	3	ounces
1,000 -	1,499	grams =	2 pounds	4 ounces	-	3 pounds	4	ounces
1,500 -	1,999	grams =	3 pounds	5 ounces	-	4 pounds	6	ounces
2,000 -	2,499	grams =	4 pounds	7 ounces	-	5 pounds	8	ounces
2,500 -	2,999	grams -	5 pounds	9 ounces	-	6 pounds	9	ounces
3,000 -	3,499	grams =	6 pounds	10 ounces	-	7 pounds	11	ounces
3,500 -	3,999	grams =	7 pounds	12 ounces	-	8 pounds	13	ounces
4,000 -	4,499	grams =	8 pounds	14 ounces	-	9 pounds	14	ounces
4,500 -	4,999	grams =	9 pounds	15 ounces	-	11 pounds	0	ounces
	≥5,000	grams =	11 pounds	1 ounce	or greater			

Definitions

Adoptee: An individual who has been adopted, used informally in this report to refer to children in legitimations and paternity adjudications as well.

Age-Adjusted Rate: Total rate that has been standardized for age distribution so that it is, in effect, independent of the age structure of the particular population being studied.

Annulment: A judicial announcement invalidating or voiding a marriage that confers on the parties the status of never having been married to each other.

Apgar Score: Summary measure of the infant's condition based on heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each factor is given a score of 0, 1, or 2. The sum of these five values is the Apgar Score, which ranges from a low of 0 to an optimum of 10.

Birth to Unmarried Woman: A woman is considered to be unmarried if she was not married or legally separated at the time of conception and/or did not marry or legally separate at any time between conception and birth. Common law marriages are recognized as legal marriages in the State of Colorado.

Birth Weight: The first weight of the fetus or newborn obtained after birth. This weight preferably is measured within the first hour of life, before significant postnatal weight loss has occurred.

Cause of Death: All those diseases, morbid conditions, or injuries that either resulted in or contributed to death and the circumstances of the accident or violence that produced any such injuries.

Chronic Disease: A disease that comprises all impairments or deviations from normal and is characterized by one or more of the following: permanence, residual disability, nonreversible pathological alteration, requirement of special training of the patient for rehabilitation, or expectation of need for a long period of supervision, observation, or care.

Communicable Disease: A disease capable of being transmitted from one person to another.

Congenital Anomaly: Certain mental or physical traits or peculiarities, malformations, diseases, etc. present at birth whose etiology may be hereditary or due to some influence occurring during gestation. Also called congenital malformations or birth defects.

Death: The permanent disappearance of any evidence of life at any time after live birth.

Divorce: The final legal dissolution of a marriage.

Epidemiology: The study of the distribution of a disease or a physiological condition in human populations and of the factors that influence this distribution.

Gestational Age: Number of completed weeks from the first day of the mother's last normal menstrual period until the date of delivery or termination of pregnancy.

Hebdomadal Death: Death in the first 7 days of life.

Incidence: The number of new cases of a disease having their onset in a population over a prescribed period of time.

Infant Death: Death in the first year of life.

Induced Termination of Pregnancy: The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus, which does not result in a live birth.

Legitimation: The result of the intermarriage of the natural parents following the birth of the child in which paternal information is added to the child's birth record.

Life Expectancy: The average number of years of life remaining for persons surviving to a given age on the basis of a given set of age-specific rates of dying.

Live Birth: The complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached; each product of such a birth is considered liveborn.

Low Weight Birth: Birth weight of less than 2,500 grams or 5 pounds, 8 ounces, or less.

Marriage: The legal union of two persons.

Marriage dissolution: The legal termination of a marriage. Includes annulments and divorces.

Maternal Death: The death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes.

Mean: Measure of central tendency defined as the sum of scores divided by the total number of cases involved.

Median: The middle value of N values of X arranged in order of size. If a set of observations is arranged in increasing or decreasing order of magnitude, the median is the middle value when the number of observations is odd or the mean of the two middle values when the number of observations is even.

Mode: The most frequent value contained in a set of data.

Morbidity: The relative incidence of disease.

Multiple Birth: More than one child born resulting from a single pregnancy.

Natural Increase: The difference between resident births and deaths.

Neonatal Death: Death in the first 28 days of life.

Net Migration: The difference between the number of people moving in and out of a recognized geographical boundary.

Notifiable Disease: A disease that health providers are required, usually by law, to report to Federal, State, or local public health officials when diagnosed. Reportable diseases are those of public interest by reason of their contagiousness, severity, or frequency.

Parity: Number of births to a mother, alive or dead, weighing at least 500 grams or having an estimated length of gestation of at least 20 weeks. A multiple birth is considered as a single parous experience. Before delivery, a mother having her first baby has a parity of zero.

Paternity Adjudication: Determination of paternity by a district court.

Perinatal: Pertaining to or occurring in the period shortly before and after birth. There are several commonly used definitions for the perinatal period, extending from 20 weeks of gestation to 4 weeks after birth. in this report perinatal refers to the period of 20 weeks gestation to 28 days of life.

Perinatal Death: As defined for this report, death of a fetus of at least 20 weeks gestational age or of a child under 28 days of age.

Postneonatal Death: Death of a child occurring between the ages of 28 days and one year.

Postterm: Births occurring at a gestational age greater than or equal to 42 weeks (>293 days).

Premature Birth: Birth occurring prior to 37 weeks gestation, but after the stage of viability at about 20 weeks gestation.

Prenatal: Preceding birth.

Prenatal Care: Medical care preceding birth.

Prenatal Visits: The number of visits made to a physician or other health care provider during the prenatal period for medical supervision of a pregnancy.

Preterm: Births occurring prior to 37 weeks (<259 days) gestation.

Prevalence: The number of existing cases of a disease at a given point in time in a community. Depends upon incidence and duration of a disease.

Reported Cause of Death: Any cause of death reported on the death certificate.

Singleton: Single birth.

Spontaneous Fetal Death: The expulsion or extraction of a product of human conception resulting in other than a live birth and which is not an induced termination of pregnancy.

Term: Births occurring between 37-41 weeks gestation (259-293 days).

Trimester: As used in this report, a three-month period of time. First trimester care, for example, refers to care initiated in the first three month of a pregnancy.

Underlying Cause of Death: The disease or injury that initiated the train of events leading directly to death or the circumstances of the accident or violence which produced the fatal injury.

Weeks Gestation: Completed weeks from the first day of the mother's last normal menstrual period.

Vital Statistics Formulas

The most frequently used rates are included here. Unless noted, all rates and ratios are for annual resident events. All populations used in calculating rates are midyear figures. Multiples shown are those most commonly used.

Age-Adjusted Death Rate - Direct Method (U.S. population for 1940 or 1970 is most often used as standard. Colorado Vital Statistics uses U.S. population for 1940.

$$\frac{\text{Expected annual deaths for specified age group} \times \text{standard population in corresponding age group}}{\text{Sum of the standard population in specified age groups}} \times 1{,}000$$

Age/Sex/Race Specific Rates
(Can be applied to any vital event)

$$\frac{\text{Number of events in specified age/sex/race group}}{\text{Population in specified age/sex/race group}} \times 1{,}000$$

Age-Specific Fertility Rate.
(Also called age-specific birth rate)

$$\frac{\text{Number of live births to women in specified age group}}{\text{Female population in specified age group}} \times 1{,}000$$

Age-Specific Pregnancy Rates

$$\frac{\text{Total live births, reported induced abortions, and reported spontaneous fetal deaths to women of a specified age group}}{\text{Female population in specified age group}} \times 1{,}000$$

Birth Rate

$$\frac{\text{Total number of live births}}{\text{Total population}} \times 1{,}000$$

Birth Rate by Live-Birth Order

$$\frac{\text{Number of live births of a given birth order}}{\text{Female population aged 15-44 years}} \times 1{,}000$$

Cause-Specific Death Rate (Used with underlying causes of death)

$$\frac{\text{Number of deaths from specified cause}}{\text{Total population}} \times 100{,}000$$

Death Rate

$$\frac{\text{Total number of resident deaths}}{\text{Total population}} \times 1{,}000$$

General Fertility Rate

$$\frac{\text{Total number of live births}}{\text{Female population aged 15-44 years}} \times 1{,}000$$

Infant Mortality Rate

$$\frac{\text{Number of infant deaths}}{\text{Number of live births}} \times 1{,}000$$

Marriage Rate

$$\frac{\text{Number of marriages occurring in a place}}{\text{Total resident population of that place}} \times 1{,}000$$

Marriage Dissolution Rate (Often called divorce rate)

$$\frac{\text{Number of divorces and annulments occurring in a place}}{\text{Total resident population of that place}} \times 1{,}000$$

Maternal Mortality Rate

$$\frac{\text{Number of maternal deaths}}{\text{Number of live births}} \times 10{,}000$$

Neonatal Mortality Rate

$$\frac{\text{Number of neonatal deaths}}{\text{Number of live births}} \times 1{,}000$$

Perinatal Mortality Rate (Several definitions for perinatal period are in use. Care should be taken that comparable definitions are used when comparing perinatal statistics from different sources.)

$$\frac{\text{Number of reported spontaneous fetal deaths of 20+ weeks gestation and neonatal live births}}{\text{Number of reported spontaneous fetal deaths and number of live births}} \times 1{,}000$$

Postneonatal Mortality Rate

$$\frac{\text{Number of postneonatal deaths}}{\text{Number of live births}} \times 1{,}000$$

Race- and Race-and-Age-Specific Fertility Rates

$$\frac{\text{Number of live births to mothers of a specified age and/or race group}}{\text{Population of specified age and/or race group}} \times 1{,}000$$

Reported Pregnancy Rate
(also called general pregnancy rate)

$$\frac{\text{Total live births, reported induced abortions and reported spontaneous fetal deaths}}{\text{Female population aged 15-44}} \times 1{,}000$$

Standard Mortality Ratio

$$\frac{\text{Total observed deaths in a population in a period of time}}{\text{Total expected deaths in same population over same period of time}}$$

International Classification of Diseases (ICD) System Codes for Selected Diseases and Conditions, 1941-Present

	9th Revision (1979-)	8th Revision (1968-1978)	7th Revision (1958-1967)	6th Revision (1949-1957)	5th Revision (1941-1948)
Infectious and Parasitic	(001-139)	(000-136)	(000-138)	(000-138)	(000-044)
Typhoid Fever	002	001	040	040	1
Salmonellosis	003	002,003	041,042	041,042	2
Shigellosis	004	004	045	045	27a
Botulism	005.1	005.1	049.1	049.1	177
Tuberculosis	010-018	010-019	001-019	001-019	13-22
Diphtheria	032	032	055	055	10
Pertussis	033	033	056	056	9
Streptococcal Infection	034,041.0	034	050,051,053.0	050,051,053.0	8
Meningococcal Infection	036	036	057	057	6
Poliomyelitis	045	040-043	080	080	36
Measles	055	055	085	085	35
Encephalitis	062-064,323	062-065,079.2,323	082,343	082,343	37,44d
Colorado Tick Fever	066.1	068.1	096.9	096.9	38f
Infectious Hepatitis (Type A)	070.1	070	092	092	32a
Mumps	072	072	089	089	44c
Rocky Mountain Spotted Fever	082.0	082.0	104	104	39c
Malaria	084	084	110-117	110-117	28
Syphilis	090-097	090-097	020-029	020-029	30
Gonorrhea & Other STD	098-099	098,099	030-039	030-039	25,44A
Neoplasms	(140-239)	(140-239)	(140-239)	(140-239)	(45-57)
Malignant	140-208	140-209	140-207	140-205	45-55
Endocrine Glands	(240-259)	(240-258)	(240-277)	(240-277)	(61-66)
Diabetes Mellitus	250	250	260	260	61
Circulatory System	(390-448)	(390-458)	(400-468,330-334)	(400-468,330-334)	(90-103,83)
Rheumatic Fever	390-392	390-392	400-402	400-402	58
Heart Disease	390-398,402, 404-429	390-398,402, 404,410-429	400-443	400-443	58,90-95
Other Diseases of the Circulatory System	400,401,403, 441-448	400,401,403, 441-448	444-447, 451-456	444-447, 451-456	96,98,99
Cerebrovascular Disease	430-438	430-438	330-334	330-334	83
General Atherosclerosis	440	440	450	450	97
Respiratory System	(460-519)	(460-519)	(470-527)	(470-527)	(106-114)
Influenza	487	470-474	480-483	480-483	33
Pneumonia	480-486	480-486	490-493	490-493	107-109
Chronic Obstructive Pulmonary Diseases	490-496	490-493			
Bronchitis, Chronic and Unspecified	490-491	490-491	501-502	501-502	106b
Emphysema	492	492	527.1	527.1	113
Asthma	493	493	241	241	112
Digestive System	(520-579)	(520-577)	(530-587)	(530-587)	(115-129)
Cirrhosis of the Liver	571	571	581	581	124
Genitourinary System	(580-629)	(580-629)	(590-637)	(590-637)	(130-139)
Nephritis & Nephrosis	580-584	580-584	590-594	590-594	130-132
Complications of Pregnancy, Childbirth, and Puerperium	(630-676)	(630-678)	(640-689)	(640-689)	(140-150)
Congenital Anomalies	(740-759)	(740-759)	(750-759)	(750-759)	(157)
Diseases of Early Infancy	(760-779)	(760-769.2,769.4-772,774-778)	(760-776)	(760-776)	(158-161)
Injury and Poisoning	(E800-E999)	(E800-E999)	(E800-E999)	(E800-E999)	(163-198)
Accidents	E800-E949	E800-E949	E800-E962	E800-E962	169-176, 178-195
Suicide	E950-E959	E950-E959	E963,E970-E979	E963,E970-E979	163,164
Homicide	E960-E978	E960-E978	E980-E985	E980-E985	165-168,198
Injury, Intent Undetermined	E980-E989	E980-E989			

Source: World Health Organization, International Statistical Classification of Diseases, Injuries, and Causes of Death, Fifth through Ninth Revisions.

Standard Tabulations Available from the Health Statistics Section

Birth Statistics - 1975 to Present

File	Report Number		Content
Total Events	11-02I	Age of Mother X	Colorado Residents and Occurrences
Resident	12-01A	County of Residence X	Attendant and Medical Complications
	12-01B	X	Month of Occurrence
	12-01C	X	Education of Mother
	12-01D	X	Birth Weight
	12-01E	X	Month Care Began
	12-01F	X	Age Group of Mother
	12-01G	X	Race, Spanish Origin, and Sex of Child
	12-01H	X	Total Living Children
	*12-02A	Age of Mother X	Attendant and Medical Complications
	12-02C	X	Education of Mother
	12-02D	X	Birth Weight
	*12-02G	X	Race, Spanish Origin, and Sex of Child
	12-03D	Month Care Began X	Birth Weight
	12-04A	Birth Weight X	Attendant and Medical Complications
	12-04G	X	Race, Spanish Origin, and Sex of Child
	*12-04P	X	Weeks of Pregnancy
	12-06A	Prenatal Visits X	Attendant and Medical Complications
	12-06C	X	Education of Mother
	12-06D	X	Birth Weight
	12-06F	X	Age Group of Mother
	12-07A	Education of Mother X	Attendant and Medical Complications
	12-07D	X	Birth Weight
	12-07E	X	Month Care Began
	12-07G	X	Race, Spanish Origin, and Sex of Child
	12-07H	X	Total Living Children
	12-08A	Weeks of Pregnancy X	Attendant and Medical Complications
	12-09B	City of Residence X	Month of Occurrence
	12-14C	Congenital Malformation X	Education of Mother
	12-14J	X	County of Residence
	12-15D	County of Residence and X	Birth Weight
	12-15E	Education of Mother X	Month Care Began
	12-15G	X	Race, Spanish Origin, and Sex of Child
	12-15H	X	Total Living Children
	*12-26G	County of Residence and X	Race, Spanish Origin, and Sex of Child
		Age Group of Mother	
	*12-27F	Ethnic Origin of Child X	Age Group of Mother
	*12-27G	X	Race, Spanish Origin, and Sex of Child
Occurrence	16-01A	County of Occurrence X	Attendant and Medical Complications
	16-01B	X	Month of Occurrence
	16-01G	X	Race, Spanish Origin, and Sex of Child
	16-05D	Institution of Birth X	Birth Weight
	*16-05F	X	Age Group of Mother
	16-05J	X	County of Residence
Resident Women with < High School Education	*17-02G	Age of Mother X	Race, Spanish Origin, and Sex of Child
	17-06J	Prenatal Visits X	County of Residence
Resident Women with High School + Education	*18-02G	Age of Mother X	Race, Spanish Origin, and Sex of Child
	18-06J	Prenatal Visits X	County of Residence

* Available 1981 to present. Spanish origin not tabulated prior to 1981.

Birth Statistics, Continued.

File	Report Number	Content
Total to Unmarried Women	*21-02I	Age of Mother X Colorado Residents and Occurrences
Resident to Unmarried Women	22-01A	County of Residence X Attendant and Medical Complications
	22-01B	X Month of Occurrence
	22-01C	X Education of Mother
	22-01E	X Month Care Began
	22-01F	X Age Group of Mother
	22-01G	X Race, Spanish Origin, and Sex of Child
	22-01H	X Total Living Children
	*22-02A	Age of Mother X Attendant and Medical Complications
	22-02D	X Birth Weight
	*22-02G	X Race, Spanish Origin, and Sex of Child
	22-06F	Prenatal Visits X Age Group of Mother
Occurrence to Unmarried Women	*26-05B	Institution of Birth X Month of Occurrence
Total Low Weight	*31-02I	Age of Mother X Colorado Residents and Occurrences
Resident Low Weight	32-01C	County of Residence X Education of Mother
	*32-02A	Age of Mother X Attendant and Medical Complications
	*32-02G	X Race, Spanish Origin, and Sex of Child

Death Statistics - 1970 to Present

Total Events	61-11I	Selected Cause of Death X Colorado Residents and Occurrences
Residents	62-01B	County of Residence X Month of Occurrence
	62-01G	X Race, Spanish Origin, and Sex
	62-01L	X Five-Year Age Group
	*62-01Y	X Disposition and Autopsy
	62-09B	City of Residence X Month of Occurrence
	62-10B	ICDA Cause of Death X Month of Occurrence
	62-10G	X Race, Spanish Origin, and Sex
	62-10J	X County of Residence
	62-10L	X Five-Year Age Group
	62-11B	Selected Cause of Death X Month of Occurrence
	62-11G	X Race, Spanish Origin, and Sex
	62-11J	X County of Residence
	*62-11X	X Marital Status and Sex
	*62-11Y	X Disposition and Autopsy
	62-12L	Selected Cause of Death and Sex X Five-Year Age Group
	62-13	MVSR Cause of Death by Sex
	*62-25G	County of Residence and Five-Year Age Group X Race, Spanish Origin, and Sex
	*62-27G	Ethnic Origin X Race, Spanish Origin, and Sex
	*62-27L	X Five-Year Age Group
Resident Male	63-10L	ICDA Cause of Death X Five-Year Age Group
Resident Female	64-10L	ICDA Cause of Death X Five-Year Age Group
Resident by County	65-12L	Selected Cause of Death and Sex X Five-Year Age Group

* Available 1981 to present. Spanish origin not tabulated prior to 1981.

Death Statistics, Continued.

File	Report Number	Content
Occurrence	66-01B	County of Occurrence X Month of Occurrence
	*66-01Y	X Disposition and Autopsy
	*66-05G	Institution of Death X Race, Spanish Origin, and Sex
	*66-05L	X Five-Year Age Group
	66-10L	ICDA Cause of Death X Five-Year Age Group
	66-11G	Selected Cause of Death X Race, Spanish Origin, and Sex
	66-11J	X County of Occurrence
Resident Infant	72-01B	County of Residence X Month of Occurrence
	72-01G	X Race, Spanish Origin, and Sex
	72-01K	X Infant Age Group
	72-10G	ICDA Cause of Death X Race, Spanish Origin, and Sex
	72-10K	X Infant Age Group
Occurrence Infant	76-01B	County of Occurrence X Month of Occurrence
	76-01K	X Infant Age Group
	76-05K	Institution of Death X Infant Age Group
Resident Neonatal	82-10G	ICDA Cause of Death X Race, Spanish Origin, and Sex
Occurrence Neonatal	86-01B	County of Occurrence X Month of Occurrence

Infant Death Statistics (Matched Birth and Death Certificates) - 1975 to Present

Total Events	1-01A	Summary Statistics
Occurrence	2-03A	ICDA Cause of Death X Infant Age Group
	2-04A	Weeks of Pregnancy X Infant Age Group
	2-02B	Infant Age Group X Birth Weight
	2-04B	Weeks of Pregnancy X Birth Weight
	2-05B	Months Since Last Delivery and Type X Birth Weight
	2-06B	Education of Mother X Birth Weight
	2-07B	Month Care Began X Birth Weight
	2-08B	Age of Mother X Birth Weight
	2-09B	Apgar Score X Birth Weight
	2-10B	Pregnancy History X Birth Weight
	2-11B	Hospital of Birth X Birth Weight
	2-12B	Hospital of Death X Birth Weight
	2-13B	Congenital Malformation X Birth Weight
	2-17B	County of Residence at Birth X Birth Weight
	2-04C	Weeks of Pregnancy X Race and Sex
	2-07C	Month Care Began X Race and Sex
	2-14C	Birth Weight X Race and Sex
	2-11D	Hospital of Birth X Month Care Began
Occurrence	2-07E	Month Care Began X Age of Mother
	2-15E	Congenital Malformation X Age of Mother
	2-16E	Prenatal Visits X Age of Mother
	2-15F	Congenital Malformation X Age of Father
	2-07G	Month Care Began X Education of Mother
	2-11G	Hospital of Birth X Education of Mother
	2-16G	Prenatal Visits X Education of Mother

* Available 1981 to present. Spanish origin not tabulated prior to 1981.

Infant Death Statistics, Continued:

File	Report Number	Content
	2-17G	County of Residence at Birth X Education of Mother
	2-06H	Education of Mother X Education of Father
	2-11I	Hospital of Birth X Attendant and Medical Complication
	2-12K	Hospital of Death X County of Residence
	2-03L	ICDA Cause of Death X County of Death
	2-18M	State of Residence X State of Birth
	2-12N	Hospital of Death X Hospital of Birth

Spontaneous Fetal Deaths (20+ Weeks Gestation) - 1980 to Present

Occurrence	County of Occurrence X Age of Mother
	County of Occurrence X Race of Fetus
	Calculated Weeks of Gestation X Age of Mother
	Race of Fetus X Age of Mother
	Legitimacy X Age of Mother
	Sex of Fetus X Age of Mother
	Calculated Weeks of Gestation X Race of Fetus
	Month of Occurrence X Calculated Weeks of Gestation
	Calculated Weeks of Gestation X Physician's Estimate of Gestation
	Legitimacy and Race of Fetus X Age of Mother
	Spanish Origin X Age of Mother
	Calculated Weeks of Gestation X Spanish Origin
	Cause of Death X Age of Mother
	Education of Mother
	Previous Live Births
	Other Terminations, Spontaneous and Induced
	Month Care Began and Prenatal Visits
	Hospital or Place of Occurrence
	Calculated Weeks of Gestation
	Physician's Estimate of Gestation
	Physician's Estimate of Gestation
	State of Residence
Resident-Occurrence	County of Residence X Age of Mother
	Race of Fetus X Age of Mother
	Spanish Origin X Age of Mother
	Month of Occurrence X Sex of Fetus
	Legitimacy X Age of Mother

Spontaneous Fetal Deaths (Less than 20 Weeks Gestation) - 1980 to Present

Occurrence	County of Occurrence X Age of Mother
	Legitimacy X Age of Mother
	Race of Fetus X Age of Mother
	Calculated Weeks of Gestation X Age of Mother
	Month of Occurrence X Age of Mother
Resident-Occurrence	County of Residence X Age of Mother
	Race of Fetus X Age of Mother
	Legitimacy X Age of Mother

Induced Abortion Statistics - 1978 to Present

File	Report Number	Content
Occurrence	91-2A	Month of Occurrence X Age Group of Patient
	91-3A	Education of Patient X Age Group of Patient
	91-4A	Children Now Living X Age Group of Patient
	91-5A	Previous Induced Abortions X Age Group of Patient
	91-6A	Calculated Weeks of Gestation X Age Group of Patient
	91-1B	Age Group of Patient X Race, Spanish Origin, and Marital Status
	91-3B	Education of Patient X Race, Spanish Origin, and Marital Status
	91-4B	Children Now Living X Race, Spanish Origin, and Marital Status
	91-5B	Previous Induced Abortions X Race, Spanish Origin, and Marital Status
	91-6B	Calculated Weeks of Gestation X Race, Spanish Origin, and Marital Status
	91-1C	Age of Patient X Type of Facility and Type of Procedure
	91-2C	Month of Occurrence X Type of Facility and Type of Procedure
	91-3C	Education of Patient X Type of Facility and Type of Procedure
	91-4C	Children Now Living X Type of Facility and Type of Procedure
	91-5C	Previous Induced Abortions X Type of Facility and Type of Procedure
	91-6C	Calculated Weeks of Gestation X Type of Facility and Type of Procedure
	91-7E	Marital Status and Education X Race, Spanish Origin, and Type of Facility
	91-8E	Type of Procedure X Race, Spanish Origin, and Type of Facility
	91-11	Patient's State of Residence
	91-12	County of Residence
	91-13	Race of Patient, Ethnic Origin of Patient
	91-14	Health Service Area of Residence, Planning and Management Region of Residence
	91-15	Health Service Area of Occurrence, Planning and Management Region of Occurrence
	91-XX	Age of Patient for Selected Groups
Resident	81-9A	County of Residence X Age Group of Patient
	81-1B	Age Group of Patient X Race, Spanish Origin, and Marital Status
	81-9B	County of Residence X Race, Spanish Origin, and Marital Status
	81-9C	County of Residence X Type of Facility and Type of Procedure
	81-10D	County of Residence and Education X Children Now Living, Previous Induced Abortions and Calculated Gestation

Adoption Statistics - 1979 to Present

Report Number: Processed in Colorado	Adopted in Colorado	Born in Colorado	Content
1-01A			Type of Adoption & Sex of Child X Summary Statistics
1-01B	2-01B	3-01B	X Race of Child
1-01C	2-01C	3-01C	X Age of Child
1-02D	2-02D	3-02D	Type of Adoption & Race of Child X Race of Adoptive Father/Mother
1-02E	2-02E	3-02E	X Race of Natural Mother/Adoptive Mother
1-02F	2-02F	3-02F	X Age of Natural Mother at Time of Birth

Adoption Statistics, Continued.

File		Report Number		Content
1-02G	2-02G	3-02G		X Education of Adoptive Father/Mother
1-02H	2-02H	3-02H		X Race of Natural Father/Adoptive Father
1-03F	2-03F	3-03F	Type of Adoption & Age of Child	X Age of Natural Mother at Time of Birth
1-03I	2-03I	3-03I		X Age of Natural Father at Time of Birth
1-03J	2-03J	3-03J		X Age of Adoptive Mother at Time of Adoption
1-03K	2-03K	3-03K		X Age of Adoptive Father at Time of Adoption
1-04C			Type of Adoption & County of Birth	X Age of Child
1-05G	2-05G	3-05G	Type of Adoption & Education of Natural Mother	X Education of Adoptive Father/Mother
1-06L	2-06L	3-06L	Family Size of Adoptive Family	X Type of Adoption
*1-07M			County of Adoption	X Type of Adoption & Legitimacy
1-08L	2-08L	3-08L	Year of Decree	X Type of Adoption
	2-09L		State of Birth	X Type of Adoption
		3-10L	State of Adoption	X Type of Adoption
Foreign-Born Adoptions		4-11C	Country of Birth	X Age of Child

* Available for 1980.

Samples of Colorado Vital Records in Use 1978-1988

DATE REGISTERED BY STATE REGISTRAR

STATE OF COLORADO
CERTIFICATE OF LIVE BIRTH 105

STATE FILE NUMBER

COLORADO DEPARTMENT OF HEALTH AD RS 15 (Rev. 1-78)

THIS IS A PERMANENT RECORD USE BLACK INK OR TYPEWRITER WITH BLACK RIBBON

CHILD

CHILD–NAME FIRST / MIDDLE / LAST (1.)	SEX (2.)	DATE AND HOUR OF BIRTH (MONTH, DAY, YEAR, HOUR) (3.)
HOSPITAL–NAME (If not in hospital, give street and number) (4a.)	CITY, TOWN OR LOCATION OF BIRTH (4b.)	COUNTY OF BIRTH (4c.)

CERTIFIER – I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS CHILD IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. (5a. Signature) M.D., D.O., OTHER (SPECIFY)	DATE SIGNED (Month, Day, Year) (5b.)
NAME (Type or print) (5c.)	MAILING ADDRESS (Street or R.F.D. No., City, State, Zip) (5d.)
REGISTRAR (6a. Signature)	DATE RECEIVED BY REGISTRAR (Month, Day, Year) (6b.)

PARENTS

MOTHER–NAME FIRST / MIDDLE / LAST (MAIDEN) (7a.)	AGE (At time of this birth) (7b.)	STATE OF BIRTH (If not in U.S.A., name country) (7c.)

RESIDENCE–STATE (8a.)	COUNTY (8b.)	CITY, TOWN OR LOCATION (8c.)	STREET AND NUMBER (8d.)	INSIDE CITY LIMITS (Yes or No) (8e.)

MOTHER'S MAILING ADDRESS (9.) ZIP

FATHER–NAME FIRST / MIDDLE / LAST (10a.)	AGE (At time of this birth) (10b.)	STATE OF BIRTH (If not in U.S.A., name country) (10c.)
I certify that the personal information provided on this certificate is correct to the best of my knowledge and belief. (11a. Signature of Informant)	RELATION TO CHILD (11b.)	

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

MOTHER–RACE (White, Black, American Indian, etc.) (12.)	FATHER–RACE (White, Black, American Indian, etc.) (13.)	BIRTH WEIGHT (14.)	THIS BIRTH Single, twin, triplet, etc. (15a.)	IF NOT SINGLE BIRTH– Born first, second, third, etc. (15b.)	IS MOTHER MARRIED? (Yes or No) (16.)
ORIGIN OR DESCENT (Italian, Mexican, English, etc.) (17.)	ORIGIN OR DESCENT (Italian, Mexican, English, etc.)	EDUCATION–MOTHER (Specify only highest grade completed) Elementary or Secondary (0-12) / College (1-4 or 5+) (19.)		EDUCATION–FATHER (Specify only highest grade completed) Elementary or Secondary (0-12) / College (1-4 or 5+) (20.)	

PREVIOUS PREGNANCIES (Complete each section)		DATE LAST NORMAL MENSES BEGAN (Month, Day, Year) (22.)	MONTH OF PREGNANCY PRENATAL CARE BEGAN (First, second, etc.) (23a.)	PRENATAL VISITS Total number or check "none" (23b.) None ☐	1 min. APGAR SCORE (24a.)	5 min. (24b.)
LIVE BIRTHS	OTHER TERMINATIONS (Spontaneous and Induced)					
21a. Now living: Number ____ None ☐ / 21b. Now dead: Number ____ None ☐	21d. Before 20 weeks: Number ____ None ☐ / 21e. 20 weeks and after: Number ____ None ☐					

COMPLICATIONS OF PREGNANCY (Describe or check "none") (25.) None ☐
CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or check "none") (26.) None ☐
CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (Describe or check "none") (27.) None ☐
COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or check "none") (30.) None ☐

DATE OF LAST LIVE BIRTH (Month, Year) (21c.)	DATE OF LAST OTHER TERMINATION (Month, Year) (21f.)
PRENATAL BLOOD TEST DATE (Month, Day, Year) (28.)	PROPHYLACTIC DRUG KIND (29.)

SAMPLE

DATE REGISTERED BY STATE REGISTRAR

STATE OF COLORADO
CERTIFICATE OF FETAL DEATH

SPONTANEOUS FETAL DEATHS OF 20 OR MORE WEEKS GESTATION

STATE FILE NUMBER

COLORADO DEPARTMENT OF HEALTH AD RS 10a (Rev. 1-78)

THIS IS A PERMANENT RECORD USE BLACK INK OR TYPEWRITER WITH BLACK RIBBON

IF DISPOSAL IS DONE BY HOSPITAL ONLY ITEM 14

FETUS

FETUS - NAME FIRST / MIDDLE / LAST	SEX	DATE AND HOUR OF DELIVERY (MONTH, DAY, YEAR, HOUR
1.	2.	3.

HOSPITAL—NAME (If not in hospital, give street and number)	CITY, TOWN OR LOCATION OF DELIVERY	COUNTY OF DELIVERY
4a.	4b.	4c.

PARENTS

MOTHER - NAME FIRST / MIDDLE / LAST (MAIDEN)	AGE (AT TIME OF THIS DELIVERY)
5a.	5b.

RESIDENCE - STATE	COUNTY	CITY, TOWN OR LOCATION	STREET AND NUMBER	INSIDE CITY LIMITS (Yes or N
6a.	6b.	6c.	6d.	6e.

FATHER - NAME FIRST / MIDDLE / LAST	AGE (AT TIME OF THIS DELIVERY)
7a.	7b.

MEDICAL CERTIFICATION

8. PART I. FETAL DEATH WAS CAUSED BY: (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b) AND (c))

		SPECIFY FETAL OR MATERNAL
1.	FETAL OR MATERNAL CONDITION DIRECTLY CAUSING FETAL DEATH — IMMEDIATE CAUSE: (a)	
2.	FETAL AND/OR MATERNAL CONDITIONS, IF ANY, GIVING RISE TO THE IMMEDIATE CAUSE (A), STATING THE UNDERLYING CAUSE LAST. (b) DUE TO, OR AS A CONSEQUENCE OF	
3.	(c) DUE TO, OR AS A CONSEQUENCE OF	

PART II. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER: CONDITIONS CONTRIBUTING TO FETAL DEATH BUT NOT RELATED TO CAUSE GIVEN IN PART I	FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN	PHYSICIAN'S ESTIMATE OF GESTATION	AUTOPSY (Yes or No)
4.	9.	10. Weeks	11.

I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD.		DATE SIGNED (MONTH, DAY, YEAR)
12a.	M.D., D.O., OTHER (SPECIFY)	12b.

ATTENDANT - NAME (TYPE OR PRINT)	MAILING ADDRESS (STREET OR R.F.D. NO., CITY, STATE, ZIP)
5. 12c.	12d.

DISPOSITION

BURIAL, CREMATION, REMOVAL (Specify)	CEMETERY, CREMATORY OR INSTITUTION - NAME AND LOCATION	CITY OR TOWN	STATE
13a.	13b.		

FUNERAL DIRECTOR - NAME	ADDRESS	REGISTRAR'S SIGNATURE	DATE RECEIVED BY REGISTRAR
6. 14		15.	16.

SAMPLE

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

MOTHER—RACE (White, Black, American Indian, etc.) (Specify)	FATHER—RACE (White, Black, American Indian, etc.) (Specify)	WEIGHT OF FETUS	THIS DELIVERY — Single, twin, triplet, etc.	IF NOT SINGLE DELIVERY— Delivered first, second, third, etc.	IS MOTHER MARRIED? (yes or no)
7. 17.	18.	19.	20a.	20b.	21.

ORIGIN OR DESCENT (Italian, Mexican, English, etc.)	ORIGIN OR DESCENT (Italian, Mexican, English, etc.)	EDUCATION—MOTHER (Specify only highest grade completed)		EDUCATION—FATHER (Specify only highest grade completed)	
8. 22a.	22b.	Elementary or Secondary (0-12)	College (1-4 or 5+)	Elementary or Secondary (0-12)	College (1-4 or 5+)
		23.		24.	

PREVIOUS PREGNANCIES (Complete each section)				DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)	MONTH OF PREGNANCY PRENATAL CARE BEGAN FIRST, SECOND, THIRD, ETC.	PRENATAL VISITS Total Number (or check "none")
LIVE BIRTHS		OTHER TERMINATIONS (Spontaneous and Induced)				
25a. Now living	25b. Now dead	25d. Spontaneous	25e. Induced	26.	27.	28. None ☐
9. Number ____ None ☐	Number ____ None ☐	Number ____ None ☐	Number ____ None ☐			

COMPLICATIONS OF PREGNANCY (Describe or check "none")	
10. 29.	None ☐
CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or check "none")	
11. 30.	None ☐

DATE OF LAST LIVE BIRTH (Month, Year)	DATE OF LAST OTHER TERMINATION (Month, Year)	CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS (Describe or check "none")	COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or check "none")
12. 25c.	25f.	31. None ☐	32. None ☐

13.

14.

STATE OF COLORADO

REPORT OF SPONTANEOUS OR INDUCED ABORTION

SPONTANEOUS ABORTIONS OF LESS THAN 20 WEEKS GESTATION AND ALL INDUCED ABORTIONS

STATE FILE NUMBER

COLORADO DEPARTMENT OF HEALTH AD RS 16 b (Rev. 1-78)

TYPE OR PRINT IN BLACK INK

FACILITY–NAME (If not hospital or clinic, give address) 1a.	CITY, TOWN OR LOCATION OF PREGNANCY TERMINATION 1b.	COUNTY OF PREGNANCY TERMINATION 1c.
PATIENT NAME OR OTHER IDENTIFICATION 2a.	AGE 2b.	MARRIED? 3c. ☐ YES ☐ NO
DATE OF PREGNANCY TERMINATION (Month, Day, Year) 3		
RESIDENCE–STATE 4a.	COUNTY 4b.	CITY, TOWN OR LOCATION 4c.
INSIDE CITY LIMITS 4d ☐ YES ☐ NO		

RACE (White, Black, American Indian, etc.) 5.	ORIGIN OR DESCENT (Italian, Mexican, English, etc. 6.	EDUCATION (Specify only highest grade completed) Elementary or Secondary (0-12) 7.	College (1-4 or 5+)	PREVIOUS PREGNANCIES (Complete each section) LIVE BIRTHS 8a. Now Living ____ None ☐	8b. Now dead Number ____ None ☐	OTHER TERMINATIONS (Spontaneous and Induced) 8c. Spontaneous Number ____ None ☐	8d. Induced Number ____ None ☐

9a. PROCEDURE THAT TERMINATED PREGNANCY (CHECK ONLY ONE)	TYPE OF TERMINATION PROCEDURES	ADDITIONAL PROCEDURES USED FOR THIS TERMINATION, IF ANY (CHECK ALL THAT APPLY)
1.	0 ☐ SPONTANEOUS	
2.	1 ☐ SUCTION CURETTAGE	☐ 1
3.	2 ☐ SHARP CURETTAGE	☐ 2
4.	3 ☐ INTRA-UTERINE SALINE INSTILLATION	☐ 3
5.	4 ☐ INTRA-UTERINE PROSTAGLANDIN INSTILLATION	☐ 4
6.	5 ☐ HYSTEROTOMY	☐ 5
7.	6 ☐ HYSTERECTOMY	☐ 6
8.	7 ☐ OTHER (Ectopic, missed abortion, etc.) (Specify) _____	☐ 7

10. COMPLICATIONS OF PREGNANCY TERMINATION (CHECK ALL THAT APPLY)	
0 ☐	NONE
1 ☐	HEMORRHAGE
2 ☐	INFECTION
3 ☐	UTERINE PERFORATION
4 ☐	CERVICAL LACERATION
5 ☐	RETAINED PRODUCTS
6 ☐	OTHER (Specify) _____

DATE LAST NORMAL MENSES BEGAN (Month, Day, Year) 11.	PHYSICIAN'S ESTIMATE OF GESTATION 12. Weeks	NAME OF ATTENDING PHYSICIAN (Type or print) 13.
NAME OF PERSON COMPLETING REPORT (Type or print) 14.		

SAMPLE

TYPE 3

DO NOT WRITE IN SPACE BELOW — FOR STATE USE ONLY

BEGIN NEW LOG SHEET EACH DAY

FACILITY — Name, Address and Phone Number
1a

COUNTY OF PREGNANCY TERMINATION
1c

DATE OF PREGNANCY TERMINATION
Month, Day, Year
3

STATE OF COLORADO

REPORT OF INDUCED ABORTIONS

TYPE OF TERMINATION PROCEDURE
(1) SUCTION CURETTAGE
(2) SHARP CURETTAGE
(3) INTRA-UTERINE SALINE INSTILLATION
(4) INTRA-UTERINE PROSTAGLANDIN INSTILLATION
(5) HYSTEROTOMY
(6) HYSTERECTOMY
(7) OTHER

Procedure that terminated pregnancy in 9a, and all codes that apply as additional procedures in 9b.

COMPLICATIONS OF PREGNANCY TERMINATION
(0) NONE
(1) HEMORRHAGE
(2) INFECTION
(3) UTERINE PERFORATION
(4) CERVICAL LACERATION
(5) RETAINED PRODUCTS
(6) OTHER
Enter all Codes that apply in Column 10.

Certificate Number	Patient Surname or Other Identification 2a	Check "Z" if Spouse Surname	AGE 2b	MARRIED YES – NO 2c	RESIDENCE STATE 4a	RESIDENCE COUNTY 4b	RESIDENCE CITY, TOWN OR LOCATION 4c	RESIDENCE INSIDE CITY LIMITS (Yes or No) 4d	RACE (White, Black, American Indian, etc.) 5	ORIGIN OR DESCENT (Italian, Mexican, English, etc.) 6	EDUCATION (Highest Grade Completed) 8 (12)	EDUCATION 9-11+	PREVIOUS PREGNANCIES LIVE BIRTHS Number Now Living 9a	PREVIOUS PREGNANCIES LIVE BIRTHS Number Now Dead 9b	PREVIOUS PREGNANCIES OTHER TERMINATIONS Number Spontaneous 9c	PREVIOUS PREGNANCIES OTHER TERMINATIONS Number Induced 9d	PROCEDURE Type 9a	PROCEDURE Additional 9b	COMPLICATIONS (Code) 10	DATE LAST NORMAL MENSES BEGAN (Month, Day, Year) NA = Not Applicable UNK = Unknown 11	ESTIMATE OF GESTATION (Weeks) 12

Colorado Department of Health
ADMS 18a (Rev. 7/81)

228

DATE REGISTERED BY STATE REGISTRAR

STATE OF COLORADO
CERTIFICATE OF DEATH
(PHYSICIAN OR CORONER)

STATE FILE NUMBER

COLORADO DEPARTMENT OF HEALTH AD RS 16 (Rev. 1-78)

THIS IS A PERMANENT RECORD USE BLACK INK OR TYPEWRITER WITH BLACK RIBBON

USUAL RESIDENCE WHERE DECEASED LIVED IF DEATH OCCURRED IN INSTITUTION GIVE RESIDENCE BEFORE ADMISSION

DECEASED

DECEASED–NAME (FIRST, MIDDLE, LAST) 1							SEX 2	DATE OF DEATH (MONTH, DAY, YEAR) 3	
RACE (White, Black, American Indian, etc.) 4a	ORIGIN OR DESCENT (Italian, Mexican, English, etc.) 4b	AGE – LAST BIRTHDAY (Years) 5a	UNDER 1 YEAR MOS 5b	DAYS	UNDER 1 DAY HRS 5c	MINS.	DATE OF BIRTH (MONTH, DAY, YEAR) 6		COUNTY OF DEATH 7a
CITY, TOWN OR LOCATION OF DEATH 7b		HOSPITAL OR OTHER INSTITUTION – Name (If not in either, give street and number) 7c						IF HOSP. OR INST. Indicate DOA, OP/Emer. Rm., Inpatient (Specify) 7d	
STATE OF BIRTH (If not in U.S.A. name country) 8	CITIZEN OF WHAT COUNTRY 9	MARRIED, NEVER MARRIED, WIDOWED, DIVORCED (Specify) 10		SURVIVING SPOUSE (If wife, give maiden name) 11				WAS DECEDENT EVER IN U.S. ARMED FORCES? (Yes or No) 12	
SOCIAL SECURITY NUMBER 13		USUAL OCCUPATION (Give kind of work done during most of working life, even if retired) 14a				KIND OF BUSINESS OR INDUSTRY 14b			
RESIDENCE–STATE 15a	COUNTY 15b	CITY, TOWN OR LOCATION 15c	ZIP	STREET AND NUMBER 15d				INSIDE CITY LIMITS (Yes or No) 15e	
FATHER–NAME (FIRST, MIDDLE, LAST) 16				MOTHER–NAME (FIRST, MIDDLE, LAST (MAIDEN)) 17					

1 INFORMANT–NAME (Relation to Deceased) 18a | MAILING ADDRESS (STREET OR R.F.D., CITY OR TOWN, STATE, ZIP) 18b

DISPOSITION

2 BURIAL, CREMATION, REMOVAL (Specify) 19a | DATE (Month, Day, Year) 19b | CEMETERY OR CREMATORY NAME AND LOCATION (CITY OR TOWN, STATE) 19c

3 FUNERAL DIRECTOR (Signature) LIC. NO. 20a | NAME AND ADDRESS OF FUNERAL HOME (STREET OR R.F.D. NO., CITY, STATE, ZIP) 20b

CERTIFIER

4 21a PHYSICIAN TO THE BEST OF MY KNOWLEDGE, DEATH OCCURRED AT ____ ON THE DATE AND PLACE AND DUE TO THE CAUSE(S) STATED (Signature and Title)

22a CORONER – ON THE BASIS OF EXAMINATION AND/OR INVESTIGATION, IN MY OPINION DEATH OCCURRED AT ____ ON THE DATE AND PLACE AND DUE TO THE CAUSE(S) STATED. (Signature and Title)

5 DATE SIGNED (Month, Day, Year) 21b | DATE SIGNED (Month, Day, Year) 22b | PRONOUNCED DEAD (Mo., Day, Yr., Hour) 22c

6 NAME AND ADDRESS OF CERTIFIER (PHYSICIAN OR CORONER) (Type or Print) 23

7 REGISTRAR (Signature) 24a | DATE RECEIVED BY REGISTRAR (Month, Day, Year) 24b

CAUSE OF DEATH

8 25 PART I IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), and (c).) | Interval between onset and death

9 CONDITIONS IF ANY WHICH GAVE RISE TO IMMEDIATE CAUSE STATING THE UNDERLYING CAUSE LAST (a) DUE TO, OR AS A CONSEQUENCE OF | Interval between onset and death

10 (b) DUE TO, OR AS A CONSEQUENCE OF | Interval between onset and death

11 (c) | Interval between onset and death

12 PART II OTHER SIGNIFICANT CONDITIONS – Conditions contributing to death but not related to cause given in PART I (a) | AUTOPSY (Yes or No) 26 | WAS CASE REFERRED TO CORONER (Yes or No) 27

13 ACCIDENT, SUICIDE, HOMICIDE, UNDETERMINED, PENDING INVESTIGATION. 28a | DATE AND HOUR OF INJURY (Mo., Day, Yr., Hr.) 28b | DESCRIBE HOW INJURY OCCURRED 28c

14 INJURY AT WORK (Yes or No) 28d | PLACE OF INJURY – At home, farm, street, factory, office building, etc. 28e | LOCATION (STREET OR R.F.D. NO., CITY OR TOWN, STATE) 28f

SAMPLE

Samples of Colorado Vital Records in Use Beginning in 1989

STATE OF COLORADO

CERTIFICATE OF LIVE BIRTH 105

STATE FILE NUMBER

INFANT

1. CHILD-NAME (First, Middle, Last)
2. DATE AND HOUR OF BIRTH (Month, Day, Year, Hour)
3. SEX
4. CITY, TOWN, OR LOCATION OF BIRTH
5. COUNTY OF BIRTH
6. PLACE OF BIRTH: ☐ Hospital ☐ Freestanding Birthing Center ☐ Clinic/Doctor's Office ☐ Residence ☐ Other (Specify)
7. FACILITY NAME (If not institution, give street and number)

ATTENDANT

8. I certify that this child was born alive at the place and time and on the date stated. Signature ▶
9. DATE SIGNED (Month, Day, Year)
10. ATTENDANT'S NAME AND TITLE (If other than Certifier) (Type/Print) Name ☐ M.D. ☐ D.O. ☐ C.N.M. ☐ Other (Specify)
11. CERTIFIER'S NAME AND TITLE (Type/Print) Name ☐ M.D. ☐ D.O. ☐ Hospital Admin. ☐ C.N.M. ☐ Other (Specify)
12. ATTENDANT'S MAILING ADDRESS (Street and Number or Rural Route Number, City or Town, State, ZIP Code)
13. REGISTRAR'S SIGNATURE ▶
14. DATE FILED BY REGISTRAR (Month, Day, Year)

MOTHER

15. MOTHER-NAME (First, Middle, Last (Maiden))
16. DATE OF BIRTH (Month, Day, Year)
17. BIRTHPLACE (State or Foreign Country)
18a. RESIDENCE-STATE
18b. COUNTY
18c. CITY, TOWN OR LOCATION
18d. ZIP
18e. STREET AND NUMBER
18f. INSIDE CITY LIMITS? ☐ Yes ☐ No
19. MOTHER'S MAILING ADDRESS (If different than residence) ZIP

FATHER

20. FATHER-NAME (First, Middle, Last)
21. DATE OF BIRTH (Month, Day, Year)
22. BIRTHPLACE (State or Foreign Country)
23. I certify that the personal information provided on this certificate is correct to the best of my knowledge and belief. Signature of Parent or Other Informant ▶
24. RELATION TO CHILD

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

FATHER

25. RACE: American Indian, Black, White, etc. (Specify)
26. HISPANIC ORIGIN? (If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ NO ☐ YES
27. EDUCATION: (Specify only highest grade completed) Elementary or secondary (0 through 12) College (13 through 16 or 17+)
28a. MOST RECENT OCCUPATION
28b. KIND OF BUSINESS OR INDUSTRY
28c. NAME AND LOCALITY OF EMPLOYER, COMPANY OR FIRM

MOTHER

29. RACE: American Indian, Black, White, etc. (Specify)
30. HISPANIC ORIGIN? (If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ NO ☐ YES
31. EDUCATION: (Specify only highest grade completed) Elementary or secondary (0 through 12) College (13 through 16 or 17+)
32a. MOST RECENT OCCUPATION
32b. KIND OF BUSINESS OR INDUSTRY
32c. NAME AND LOCALITY OF EMPLOYER, COMPANY OR FIRM
32d. EMPLOYED DURING THIS PREGNANCY? NO ☐ YES ☐

33. PREGNANCY HISTORY (Complete each section)

LIVE BIRTHS (Do not include this child)		OTHER TERMINATIONS (Spontaneous and induced at any time after conception)
33a. Now Living: Number ____ ☐ None	33b. Now Dead: Number ____ ☐ None	33d. Number ____ ☐ None
33c. DATE OF LAST LIVE BIRTH (Month, Year)		33e. DATE OF LAST OTHER TERMINATION (Month, Year)

34. MOTHER MARRIED? (At birth, conception, time between) (Yes or No)
35. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)
36. MONTH OF PREGNANCY PRENATAL CARE BEGAN (First, Third, etc. (Specify))
37. PRENATAL VISITS - Total Number (If none, so state)
38. BIRTH ATTENDANT (Specify)
39. CLINICAL ESTIMATE OF GESTATION (Weeks)
40a. PLURAL BIRTH? (Single, Twin, Triplet, etc. (Specify))
40b. IF NOT SINGLE BIRTH - Born First, Second, Third, etc. (Specify)

41. APGAR SCORE: 41a. 1 Minute; 41b. 5 Minutes
42. PRENATAL BLOOD TEST: DATE (Month, Day, Year) Check screenings that apply: ☐ Syphilis ☐ HIV ☐ Hepatitis B
43a. MOTHER TRANSFERRED PRIOR TO DELIVERY? If Yes, enter name of facility transferred from: ☐ No ☐ Yes
43b. INFANT TRANSFERRED? If yes, enter name of facility transferred to: ☐ No ☐ Yes

44a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)
1. _____
2. _____
3. _____
4. _____
5. _____
01 ☐ Anemia (Hct. <30/Hgb. <10)
02 ☐ Cardiac disease
03 ☐ Acute or chronic lung disease
04 ☐ Diabetes, gestational
05 ☐ Diabetes, pre-existing
06 ☐ Genital herpes
07 ☐ Hydramnios/Oligohydramnios
08 ☐ Hemoglobinopathy
09 ☐ Hypertension, chronic
10 ☐ Hypertension, pregnancy associated
11 ☐ Eclampsia
12 ☐ Incompetent cervix
13 ☐ Previous infant 4000+ grams
14 ☐ Previous preterm or small-for-gestational-age infant
15 ☐ Renal disease
16 ☐ Rh sensitization
17 ☐ Uterine bleeding
00 ☐ None
18 ☐ Other (Specify)

44b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)
Tobacco use during pregnancy ☐ Yes ☐ No
Average number cigarettes per day
Alcohol use during pregnancy ☐ Yes ☐ No
Average number drinks per week
Weight gained during pregnancy ____ lbs.

45. OBSTETRIC PROCEDURES (Check all that apply)
01 ☐ Amniocentesis
02 ☐ Electronic fetal monitoring
03 ☐ Induction of labor
04 ☐ Stimulation of labor
05 ☐ Tocolysis
06 ☐ Ultrasound
00 ☐ None
07 ☐ Other (Specify)

46. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)
01 ☐ Febrile (> 100°F, or 38°C)
02 ☐ Meconium, moderate/heavy
03 ☐ Premature rupture of membrane (> 12 hours)
04 ☐ Abruptio placenta
05 ☐ Placenta previa
06 ☐ Other excessive bleeding
07 ☐ Seizures during labor
08 ☐ Precipitous labor (<3 hours)
09 ☐ Prolonged labor (>20 hours)
10 ☐ Dysfunctional labor
11 ☐ Breech/Malpresentation
12 ☐ Cephalopelvic disproportion
13 ☐ Cord prolapse
14 ☐ Anesthetic complications
15 ☐ Fetal distress
00 ☐ None
16 ☐ Other (Specify)

47. METHOD OF DELIVERY (Check all that apply)
01 ☐ Vaginal
02 ☐ Vaginal birth after previous C-section
03 ☐ Primary C-section
04 ☐ Repeat C-section
05 ☐ Forceps
06 ☐ Vacuum

48. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply)
01 ☐ Anemia (Hct. <36/Hgb. <13)
02 ☐ Birth injury
03 ☐ Fetal alcohol syndrome
04 ☐ Hyaline membrane disease/RDS
05 ☐ Meconium aspiration syndrome
06 ☐ Assisted ventilation <30 min
07 ☐ Assisted ventilation ≥30 min
08 ☐ Seizures
00 ☐ None
09 ☐ Other (Specify)

49. CONGENITAL ANOMALIES OF CHILD (Check all that apply)
01 ☐ Anencephalus
02 ☐ Spina bifida/Meningocele
03 ☐ Hydrocephalus
04 ☐ Microcephalus
05 ☐ Other central nervous system anomalies (Specify)
06 ☐ Heart malformations
07 ☐ Other circulatory/respiratory anomalies (Specify)
08 ☐ Rectal atresia/stenosis
09 ☐ Tracheo-esophageal fistula/Esophageal atresia
10 ☐ Omphalocele/Gastroschisis
11 ☐ Other gastrointestinal anomalies (Specify)
12 ☐ Malformed genitalia
13 ☐ Renal agenesis
14 ☐ Other urogenital anomalies (Specify)
15 ☐ Cleft lip/palate
16 ☐ Polydactyly/Syndactyly/Adactyly
17 ☐ Club foot
18 ☐ Diaphragmatic hernia
19 ☐ Other musculoskeletal/integumental anomalies (Specify)
20 ☐ Down's syndrome
21 ☐ Other chromosomal anomalies (Specify)
00 ☐ None
22 ☐ Other (Specify)

50. PARENT(S) REQUESTS SOCIAL SECURITY NUMBER BE ISSUED FOR CHILD ☐ Yes ☐ No

ADRS-15 1-89

SAMPLE

STATE OF COLORADO

CERTIFICATE OF FETAL DEATH

DATE REGISTERED BY STATE REGISTRAR

STATE FILE NUMBER

FETUS

1. FETUS NAME (First, Middle, Last)
2. SEX
3. DATE AND HOUR OF DELIVERY (Month, Day, Year, Hour)
4a. FACILITY NAME (If not in institution, give street and number)
4b. CITY, TOWN OR LOCATION OF DELIVERY
4c. COUNTY OF DELIVERY

PARENTS

5a. MOTHER'S NAME (First, Middle, Last)
5b. MAIDEN SURNAME
6. DATE OF BIRTH (Month, Day, Year)
7a. RESIDENCE STATE
7b. COUNTY
7c. CITY, TOWN, OR LOCATION
7d. STREET AND NUMBER
7e. INSIDE CITY LIMITS? (Yes or no)
7f. ZIP CODE
8. FATHER'S NAME (First, Middle, Last)
9. DATE OF BIRTH (Month, Day, Year)

CAUSE OF FETAL DEATH

10. PART I. FETAL DEATH WAS CAUSED BY: (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b) AND (c).)

			SPECIFY FETAL OR MATERNAL
FETAL OR MATERNAL CONDITION DIRECTLY CAUSING FETAL DEATH	IMMEDIATE CAUSE		
FETAL AND/OR MATERNAL CONDITIONS, IF ANY, GIVING RISE TO THE IMMEDIATE CAUSE (A), STATING THE UNDERLYING CAUSE LAST	(b) DUE TO, OR AS A CONSEQUENCE OF		
	(c) DUE TO, OR AS A CONSEQUENCE OF		

PART II. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER CONTRIBUTING TO FETAL DEATH BUT NOT RESULTING IN THE UNDERLYING CAUSE GIVEN IN PART I

11. FETUS DIED BEFORE LABOR, DURING LABOR OR BIRTH, OR UNKNOWN
12. PHYSICIAN'S ESTIMATE OF GESTATION (Weeks)
13. AUTOPSY (Yes or No)

CERTIFIER

14a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD (Signature)
14b. M.D., D.O., OTHER (Specify)
14c. ATTENDANT - NAME (Type or Print) ☐ MD ☐ CNM ☐ DO ☐ OTHER
14d. MAILING ADDRESS (Street or R.F.D. No., City, State, Zip)
14e. DATE SIGNED (Month, Day, Year)

DISPOSITION

15a. BURIAL, CREMATION, REMOVAL (Specify)
15b. CEMETERY, CREMATORY OR INSTITUTION - NAME AND LOCATION — CITY OR TOWN — STATE
16. FUNERAL DIRECTOR - NAME — ADDRESS
17. REGISTRAR'S SIGNATURE
18. DATE RECEIVED BY REGISTRAR

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

FATHER

19. RACE: American Indian, Black, White, etc. (Specify)
20. HISPANIC ORIGIN? (If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ NO ☐ YES
21. EDUCATION (Specify only highest grade completed) Elementary or secondary (0 through 12) College (13 through 16 or 17+)
22a. MOST RECENT OCCUPATION
22b. KIND OF BUSINESS OR INDUSTRY
22c. NAME AND LOCALITY OF COMPANY OR FIRM

MOTHER

23. RACE: American Indian, Black, White, etc. (Specify)
24. HISPANIC ORIGIN? (If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ NO ☐ YES
25. EDUCATION (Specify only highest grade completed) Elementary or secondary (0 through 12) College (13 through 16 or 17+)
26a. MOST RECENT OCCUPATION
26b. KIND OF BUSINESS OR INDUSTRY
26c. NAME AND LOCALITY OF COMPANY OR FIRM
26d. EMPLOYED DURING THIS PREGNANCY? ☐ NO ☐ YES

27. PREGNANCY HISTORY (Complete each section)

LIVE BIRTHS		OTHER TERMINATIONS (Spontaneous and induced at any time after conception)
27a. Now Living: Number ___ ☐ None	27b. Now Dead: Number ___ ☐ None	27d. (Do not include this fetus) Number ___ ☐ None
27c. DATE OF LAST LIVE BIRTH (Month, Year)		27e. DATE OF LAST OTHER TERMINATION (Month, Year)

28. MOTHER MARRIED (At time of conception, or any time between conception and birth?) (Yes or No)
29. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)
30. MONTH OF PREGNANCY PRENATAL CARE BEGAN - First, Second, Third, etc. (Specify)
31. PRENATAL VISITS - Total Number (If none, so state)
32. WEIGHT OF FETUS (Specify Unit)
33. PLURALITY - Single, Twin, Triplet, etc. (Specify)
34. IF NOT SINGLE DELIVERY: Delivered First, Second, Third, etc. (Specify)

MULTIPLE BIRTHS Enter State File Number for Male(s) LIVE BIRTH(S)

FETAL DEATH(S)

MEDICAL AND HEALTH INFORMATION

35a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)

01 ☐ Anemia (Hct. <30/Hgb. <10)
02 ☐ Cardiac disease
03 ☐ Acute or chronic lung disease
04 ☐ Diabetes, gestational
05 ☐ Diabetes, pre-existing
06 ☐ Genital herpes
07 ☐ Hydramnios/Oligohydramnios
08 ☐ Hemoglobinopathy
09 ☐ Hypertension, chronic
10 ☐ Hypertension, pregnancy associated
11 ☐ Eclampsia
12 ☐ Incompetent cervix
13 ☐ Previous infant 4000+ grams
14 ☐ Previous preterm or small-for-gestational-age infant
15 ☐ Renal disease
16 ☐ Rh sensitization
17 ☐ Uterine bleeding
00 ☐ None
18 ☐ Other (Specify)

1. ____
2. ____
3. ____
4. ____
5. ____

35b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)

Tobacco use during pregnancy..... Yes ☐ No ☐
Average number cigarettes per day ____
Alcohol use during pregnancy..... Yes ☐ No ☐
Average number drinks per week ____
Weight gained during pregnancy ____ lbs

36. OBSTETRIC PROCEDURES (Check all that apply)

01 ☐ Amniocentesis
02 ☐ Electronic fetal monitoring
03 ☐ Induction of labor
04 ☐ Stimulation of labor
05 ☐ Tocolysis
06 ☐ Ultrasound
00 ☐ None
07 ☐ Other (Specify)

37. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)

01 ☐ Febrile (> 100°F, or 38°C)
02 ☐ Meconium, moderate/heavy
03 ☐ Premature rupture of membrane (> 12 hours)
04 ☐ Abruptio placenta
05 ☐ Placenta previa
06 ☐ Other excessive bleeding
07 ☐ Seizures during labor
08 ☐ Precipitous labor (< 3 hours)
09 ☐ Prolonged labor (> 20 hours)
10 ☐ Dysfunctional labor
11 ☐ Breech/Malpresentation
12 ☐ Cephalopelvic disproportion
13 ☐ Cord prolapse
14 ☐ Anesthetic complications
15 ☐ Fetal distress
00 ☐ None
16 ☐ Other (Specify)

38. METHOD OF DELIVERY (Check all that apply)

01 ☐ Vaginal
02 ☐ Vaginal birth after previous C-section
03 ☐ Primary C-section
04 ☐ Repeat C-section
05 ☐ Forceps
06 ☐ Vacuum
07 ☐ Hysterotomy/Hysterectomy

39. CONGENITAL ANOMALIES OF FETUS (Check all that apply)

01 ☐ Anencephaly
02 ☐ Spina bifida/Meningocele
03 ☐ Hydrocephalus
04 ☐ Microcephalus
05 ☐ Other central nervous system anomalies (Specify)
06 ☐ Heart malformations
07 ☐ Other circulatory/respiratory anomalies (Specify)
08 ☐ Rectal atresia/stenosis
09 ☐ Tracheo-esophageal fistula/Esophageal atresia
10 ☐ Omphalocele/Gastroschisis
11 ☐ Other gastrointestinal anomalies (Specify)
12 ☐ Malformed genitalia
13 ☐ Renal agenesis
14 ☐ Other urogenital anomalies (Specify)
15 ☐ Cleft lip/palate
16 ☐ Polydactyly/Syndactyly/Amputation
17 ☐ Clubfoot
18 ☐ Diaphragmatic hernia
19 ☐ Other musculoskeletal/integumental anomalies (Specify)
20 ☐ Down's syndrome
21 ☐ Other chromosomal anomalies (Specify)
00 ☐ None
22 ☐ Other (Specify)

ADRS-16A 1-99

STATE OF COLORADO

REPORT OF INDUCED TERMINATION OF PREGNANCY

STATE FILE NUMBER

1. FACILITY NAME (*If not clinic or hospital, give address*)	2. CITY, TOWN, OR LOCATION OF PREGNANCY TERMINATION	3. COUNTY OF PREGNANCY TERMINATION

4. PATIENT'S IDENTIFICATION	5. AGE LAST BIRTHDAY	6. MARRIED? ☐ YES ☐ NO	7. DATE OF PREGNANCY TERMINATION (*Month, Day, Year*)

8a. RESIDENCE—STATE	8b. COUNTY	8c. CITY, TOWN, OR LOCATION	8d. INSIDE CITY LIMITS? ☐ YES ☐ NO	8e. ZIP CODE

9. OF HISPANIC ORIGIN? (Specify No or Yes—If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ No ☐ Yes Specify:	10. RACE ☐ American Indian ☐ Black ☐ White ☐ Other (*Specify*) _____	11. EDUCATION *Specify only highest grade completed* (Elementary/Secondary 0-12, College 13-16, 17+)

12. DATE LAST NORMAL MENSES BEGAN (*Month, Day, Year*)	13. CLINICAL ESTIMATE OF GESTATION (*Weeks*)	14. PREVIOUS PREGNANCIES (*Complete each section*)			
		LIVE BIRTHS		OTHER TERMINATIONS	
		14a. Now Living Number ___ ☐ None	14b. Now Dead Number ___ ☐ None	14c. Spontaneous Number ___ ☐ None	14d. Induced (*Do not include this termination*) Number ___ ☐ None

***15. TERMINATION PROCEDURES**

15a. PROCEDURE THAT TERMINATED PREGNANCY (*Check only one*)	TYPE OF [illegible]ON PROCEDURES	15b. ADDITIONAL PROCEDURES USED FOR THIS TERMINATION, IF ANY (*Check all that apply*)
1 ☐	Suction Curettage	☐ 1
2 ☐	Sharp Curettage	☐ 2
3 ☐	Dilation and Evacuation (D&E)	☐ 3
4 ☐	Intra-Uterine Saline Instillation	☐ 4
5 ☐	Intra-Uterine Prostaglandin Instillation	☐ 5
6 ☐	Hysterotomy	☐ 6
7 ☐	Hysterectomy	☐ 7
8 ☐	Other (Specify)_____	☐ 8

SAMPLE

16. NAME OF ATTENDING PHYSICIAN (*Type/Print*)	17. NAME OF PERSON COMPLETING REPORT (*Type/Print*)

ADRS 16B 1-89

STATE OF COLORADO

CERTIFICATE OF DEATH

(PHYSICIAN OR CORONER)

STATE FILE NUMBER

DECEDENT

1. DECEDENT'S NAME (First, Middle, Last) | 2. SEX | 3. DATE OF DEATH (Month, Day, Year)

4. SOCIAL SECURITY NUMBER | 5a. AGE - Last Birthday (Years) | 5b. UNDER 1 YEAR Mos / Days | 5c. UNDER 1 DAY Hrs / Mins | 6. DATE OF BIRTH (Month, Day, Year) | 7. BIRTHPLACE (City and State or Foreign Country)

8. WAS DECEDENT EVER IN U.S. ARMED FORCES? ☐ Yes ☐ No

9a. PLACE OF DEATH (Check only one)
HOSPITAL: ☐ Inpatient ☐ ER/Outpatient ☐ DOA
OTHER ☐ Nursing Home ☐ Residence ☐ Other (Specify)

9b. FACILITY NAME (If not institution, give street and number) | 9c. CITY, TOWN, OR LOCATION OF DEATH | 9d. COUNTY OF DEATH

10a. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use retired.) | 10b. KIND OF BUSINESS/INDUSTRY | 11. MARITAL STATUS - Married, Never Married, Widowed, Divorced (Specify) | 12. SPOUSE (If wife, give maiden name)

13a. RESIDENCE-STATE | 13b. COUNTY | 13c. CITY, TOWN, OR LOCATION | 13d. STREET AND NUMBER

13e. INSIDE CITY LIMITS? ☐ Yes ☐ No | 13f. ZIP CODE | 14. WAS DECEDENT OF HISPANIC ORIGIN? (Specify No or Yes - If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ No ☐ Yes Specify: | 15. RACE - American Indian, Black, White, etc. (Specify) | 16. DECEDENT'S EDUCATION (Specify only highest grade completed) Elementary or secondary (0 through 12) College (13 through 16 or 17+)

PARENTS

17. FATHER-NAME (First, Middle, Last) | 18. MOTHER-NAME (First, Middle, Last (Maiden Name)) | 19. INFORMANT-NAME and relationship to deceased

DISPOSITION

20a. METHOD OF DISPOSITION ☐ Burial ☐ Cremation ☐ Removal from State ☐ Donation ☐ Other (Specify) _____

20b. PLACE OF DISPOSITION (Name of cemetery, crematory, other place) | 20c. LOCATION - City or Town, State

21. SIGNATURE OF FUNERAL DIRECTOR OR PERSON ACTING AS SUCH ▶

22. NAME AND ADDRESS OF FACILITY ZIP

23. TIME OF DEATH M | 24. DATE PRONOUNCED DEAD Month Day Hour | 25. WAS CORONER NOTIFIED? (Yes or No)

TO BE COMPLETED ONLY BY CERTIFYING PHYSICIAN | **TO BE COMPLETED BY CORONER**

CERTIFIER

26. To the best of my knowledge, death occurred at the time, date and place, and due to the cause(s) and manner as stated.
Signature ▶

27. On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place, and due to the cause(s) and manner as stated.
Signature ▶

28. DATE SIGNED (Month, Day, Year) | 29. DATE SIGNED (Month, Day, Year)

30. NAME, TITLE AND MAILING ADDRESS OF CERTIFIER/CORONER (Type/Print) ZIP

31. NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type/Print)

32. REGISTRAR'S SIGNATURE ▶ | 33. DATE FILED (Month, Day, Year)

34. MANNER OF DEATH ☐ Natural ☐ Accident ☐ Suicide ☐ Homicide ☐ Pending Investigation ☐ Undetermined Manner

35a. DATE OF INJURY (Month, Day, Year) | 35b. TIME OF INJURY M | 35c. INJURY AT WORK? ☐ Yes ☐ No | 35d. DESCRIBE HOW INJURY OCCURRED

35e. PLACE OF INJURY-At home, farm, street, factory, office building, etc. (Specify) | 35f. LOCATION (Street and Number or Rural Route Number, City, County, State)

CAUSE OF DEATH

36. IMMEDIATE CAUSE [ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).] Do not enter mode of dying, e.g. Cardiac or Respiratory Arrest.

PART I CONDITIONS IF ANY WHICH GAVE RISE TO IMMEDIATE CAUSE STATING THE UNDERLYING CAUSE LAST

(a) _____ DUE TO OR AS A CONSEQUENCE OF | Interval between onset and death

(b) _____ DUE TO OR AS A CONSEQUENCE OF | Interval between onset and death

(c) | Interval between onset and death

PART II OTHER SIGNIFICANT CONDITIONS - Conditions contributing to death but not related to cause in PART I (e.g., alcohol abuse, obesity, smoker).

37. AUTOPSY (Yes or No) | 38. IF YES were findings considered in determining cause of death?

SAMPLE

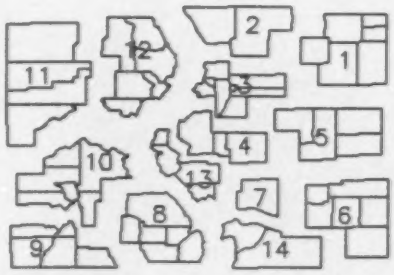
ADRS-16 1-89

Colorado Substate Regions

Four frequently used county groups appear below. These and other substate regions help in working with data for sparsely populated areas of the state. They also offer a way to assess a county in terms of its neighbors or compare one part of the state with another.

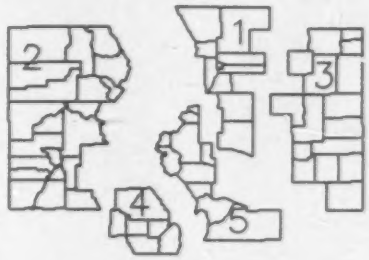
Planning and Management Regions (PMRs)

This 14-county arrangement evolved from regions designated by the governor in 1977 for general-purpose planning. It divides the state into similar-sized regions. PMR 3, comprised of 8 Denver area counties, contains more than half the state's population. Several groupings correspond to areas served by local health departments. PMRs are referred to by number.



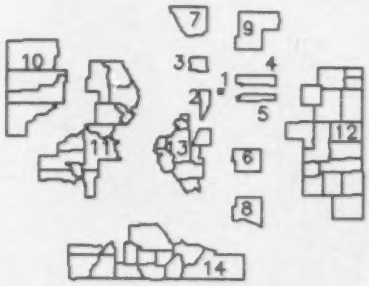
Five-Region Substate Groups

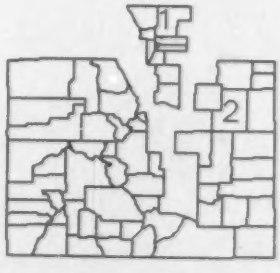
An informal grouping of Colorado counties, this arrangement is useful in having fewer regions to consider. Eighty percent of the state's population lives in the Front Range region. The regions are: Region 1 - Front Range, Region 2 - Western Slope, Region 3 - Eastern Plains, Region 4 - San Luis Valley, Region 5 - Eastern Mountains.



Population-Based Regions

Based on region groupings developed by the U.S. Census Bureau, this system divides the state into 14 regions: 9 large metro counties and 5 groups of counties with smaller populations. This results in regions that have large enough populations to consider separately or compare with each other. The regions are: 1 - Denver, 2 - Jefferson, 3 - Boulder, 4 - Adams, 5 - Arapahoe, 6 - El Paso, 7 - Larimer, 8 - Pueblo, 9 - Weld, 10 - Northwest Region, 11 - Western Region, 12 - Eastern Region, 13-Central Region, 14 - Southern Region.



Metro/Non-Metro

While several of Colorado's Metropolitan Statistical Area (MSA) counties contain large rural populations, this division of the state into metro and non-metro counties is useful for many comparisons. The MSA system created in 1983 replaced the earlier Standard Metropolitan Statistical Area (SMSA) arrangement used for the U.S. Census in 1980. Counties considered as metropolitan area counties in Region 1 are Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Pueblo, and Weld. The remainder of the state is in Region 2. The Denver Primary Metropolitan Statistical Area (PMSA) includes Adams, Arapahoe, Denver, Douglas, and Jefferson counties. The Denver Consolidated Metropolitan Statistical Area (CMSA) includes Denver PMSA counties plus Boulder County.